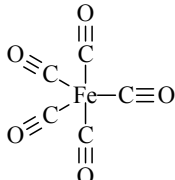


Structure Data of Free Polyatomic Molecules

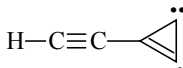
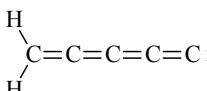
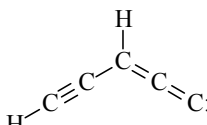
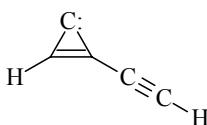
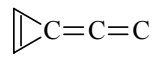
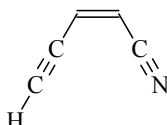
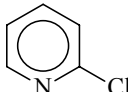
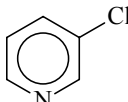
Subvolume D: Molecules containing Five or More Carbon Atoms

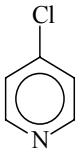

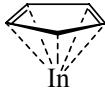


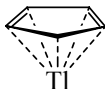
Molecules containing 5 Carbon Atoms

Element System C -Fe-...


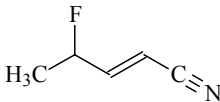

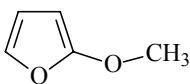
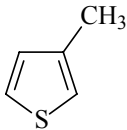

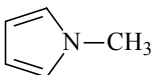
No.	Hill Formula	Structure Formula	Name
617	C ₅ FeO ₅		Pentacarbonyliron

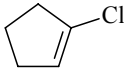
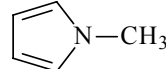
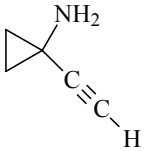
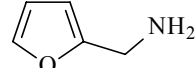
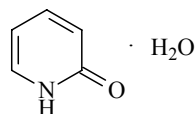
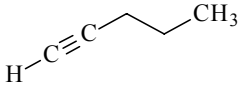
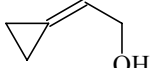
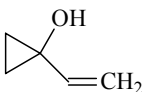
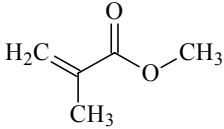
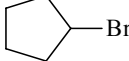
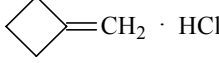
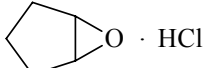
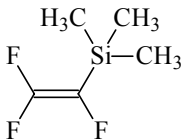
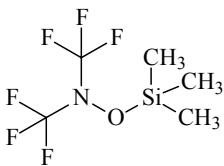
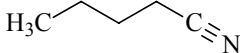
Element System C -H -... with 1 to 5 Hydrogen Atoms

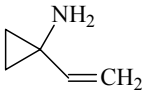
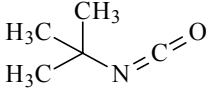
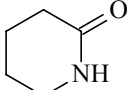
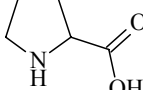
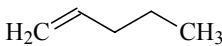
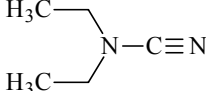
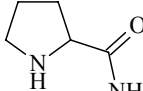
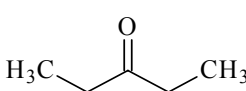
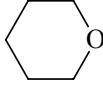
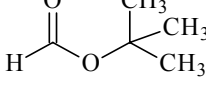
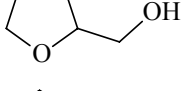

No.	Hill Formula	Structure Formula	Name
618	C ₅ H		3-Ethynyl-3-cyclopropen-1-yl-2-ylidene
619	C ₅ HF ₃	F ₃ C-C≡C-C≡CH	5,5,5-Trifluoro-1,3-pentadiyne
620	C ₅ H ₂		1,2,3,4-Pentatetraenylidene
621	C ₅ H ₂		1,2-Pentadien-4-yn-1-ylidene
622	C ₅ H ₂		2-Ethynyl-2-cyclopropen-1-ylidene
623	C ₅ H ₂		2-(Cyclopropen-1-ylidene)ethenylidene
624	C ₅ H ₃ N		(2Z)-2-Penten-4-ynenitrile
625	C ₅ H ₄ ClN		2-Chloropyridine
626	C ₅ H ₄ ClN		3-Chloropyridine

No.	Hill Formula	Structure Formula	Name
627	C ₅ H ₄ ClN		4-Chloropyridine
628	C ₅ H ₄ OS	OCS · 2(HC≡CH)	Carbonyl sulfide – ethyne (1/2)
629	C ₅ H ₄ O ₂	 · CO	Furan – carbon monoxide (1/1)
630	C ₅ H ₅ In		Cyclopentadienylindium(I)
631	C ₅ H ₅ NNe	 · Ne	Pyridine – neon (1/1)
632	C ₅ H ₅ NO ₃ S	 · SO ₃	Pyridine – sulfur trioxide (1/1)
633	C ₅ H ₅ Tl		Cyclopentadienylthallium(I)

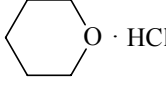
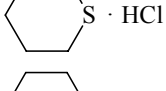
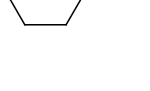
Element System C -H -... with 6 to 10 Hydrogen Atoms

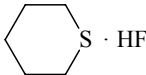
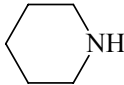
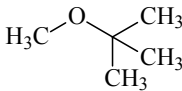
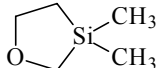
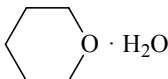
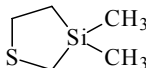
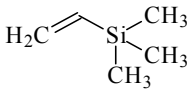
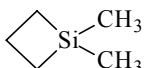
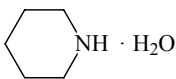
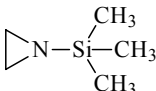
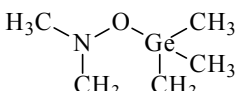
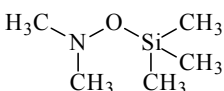
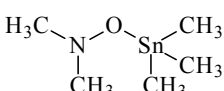
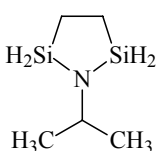
No.	Hill Formula	Structure Formula	Name
634	C ₅ H ₆ ClN	 · HCl	Pyridine – hydrogen chloride (1/1)
635	C ₅ H ₆ FN		Trans-1-Cyano-3-fluorobut-1-ene
636	C ₅ H ₆ FN	 · HF	Pyridine – hydrogen fluoride (1/1)
637	C ₅ H ₆ O ₂		2-Methoxyfuran
638	C ₅ H ₆ S		3-Methylthiophene
639	C ₅ H ₇ ArN	 · Ar	N-Methyl-1H-pyrrole – argon (1/1)
640	C ₅ H ₇ Ar ₂ N	 · 2Ar	N-Methyl-1H-pyrrole – argon (1/2)

No.	Hill Formula	Structure Formula	Name
641	C ₅ H ₇ Cl		1-Chlorocyclopentene
642	C ₅ H ₇ N		1-Methyl-1H-pyrrole
643	C ₅ H ₇ N		1-Amino-1-ethynylcyclopropane
644	C ₅ H ₇ NO		2-Furanmethanamine
645	C ₅ H ₇ NO ₂	 · H ₂ O	2-Pyridinone – water (1/1)
646	C ₅ H ₈		1-Pentyne
647	C ₅ H ₈ O		2-Cyclopropylideneethanol
648	C ₅ H ₈ O		1-Ethenylcyclopropan-1-ol
649	C ₅ H ₈ O ₂		Methyl 2-methyl-2-propenoate
650	C ₅ H ₉ Br		Bromocyclopentane
651	C ₅ H ₉ Cl	 · HCl	Methylenecyclobutane – hydrogen chloride (1/1)
652	C ₅ H ₉ ClO	 · HCl	6-Oxabicyclo[3.1.0]hexane – hydrogen chloride (1/1)
653	C ₅ H ₉ F ₃ Si		Trifluoro(trimethylsilyl)ethene
654	C ₅ H ₉ F ₆ NOSi		1,1,1,1',1'-Hexafluoro-N-(trimethylsilyloxy)dimethylamine
655	C ₅ H ₉ N		Butyl cyanide

No.	Hill Formula	Structure Formula	Name
656	C ₅ H ₉ N		1-Amino-1-ethenylcyclopropane
657	C ₅ H ₉ NO		t-Butyl isocyanate
658	C ₅ H ₉ NO		2-Piperidinone
659	C ₅ H ₉ NO ₂		Proline
660	C ₅ H ₁₀		1-Pentene
661	C ₅ H ₁₀ N ₂		N,N-Diethylcyanamide
662	C ₅ H ₁₀ N ₂ O		Prolinamide
663	C ₅ H ₁₀ O		3-Pentanone
664	C ₅ H ₁₀ O		Tetrahydropyran
665	C ₅ H ₁₀ O ₂		Formic acid 1,1-dimethylethyl ester
666	C ₅ H ₁₀ O ₂		Tetrahydro-2-furanmethanol
667	C ₅ H ₁₀ S		Pentamethylene sulfide

Element System C -H -... with more than 10 Hydrogen Atoms

No.	Hill Formula	Structure Formula	Name
668	C ₅ H ₁₁ ClO		Tetrahydro-2H-pyran – hydrogen chloride (1/1)
669	C ₅ H ₁₁ ClS		Tetrahydro-2H-thiopyran – hydrogen chloride (1/1)
670	C ₅ H ₁₁ FO		Tetrahydro-2H-pyran – hydrogen fluoride (1/1)

No.	Hill Formula	Structure Formula	Name
671	C ₅ H ₁₁ FS		Tetrahydro-2H-thiopyran – hydrogen fluoride (1/1)
672	C ₅ H ₁₁ N		Piperidine
673	C ₅ H ₁₂ O		t-Butyl methyl ether
674	C ₅ H ₁₂ OSi		3,3-Dimethyl-1-oxa-3-silacyclopentane
675	C ₅ H ₁₂ O ₂		Tetrahydro-2H-pyran – water (1/1)
676	C ₅ H ₁₂ SSi		3,3-Dimethyl-1-thia-3-silacyclopentane
677	C ₅ H ₁₂ Si		Ethenyltrimethylsilane
678	C ₅ H ₁₂ Si		1,1-Dimethyl-1-silacyclobutane
679	C ₅ H ₁₃ NO		Piperidine – water (1/1)
680	C ₅ H ₁₃ NSi		1-(Trimethylsilyl)aziridine
681	C ₅ H ₁₅ As	As(CH ₃) ₅	Pentamethylarsorane
682	C ₅ H ₁₅ GeNO		N-Methyl-N-[(trimethylgermyl)oxy]methanamine
683	C ₅ H ₁₅ NOSi		N-Methyl-N-[(trimethylsilyl)oxy]methanamine
684	C ₅ H ₁₅ NOSn		N-Methyl-N-[(trimethylstannyl)oxy]methanamine
685	C ₅ H ₁₅ NSi ₂		1-(1-Methylethyl)-1-aza-2,5-disilacyclopentane

Element System C -S -...

No.	Hill Formula	Structure Formula	Name
686	C ₅ S	C=C=C=C=C=S	Pentacarbon monosulfide

Molecules containing 6 Carbon Atoms

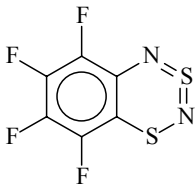
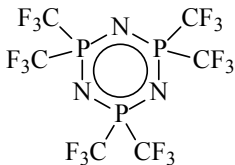
Element System C -Ar-...

No.	Hill Formula	Structure Formula	Name
687	C ₆ ArCrO ₆	Cr(CO) ₆ · Ar	Chromiumhexacarbonyl – argon (1/1)
688	C ₆ ArMoO ₆	Mo(CO) ₆ · Ar	Molybdenumhexacarbonyl – argon (1/1)
689	C ₆ ArO ₆ W	W(CO) ₆ · Ar	Tungstenhexacarbonyl – argon (1/1)

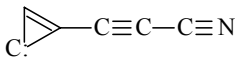
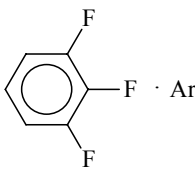
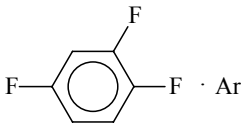
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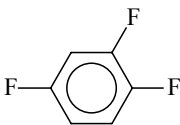
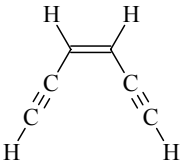
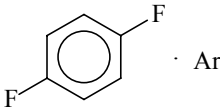
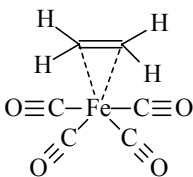
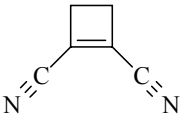
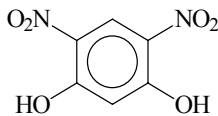
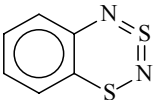
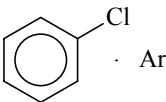
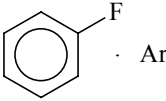
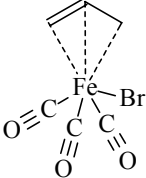
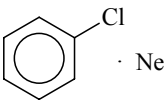
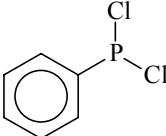
No.	Hill Formula	Structure Formula	Name
690	C ₆ CrKrO ₆	Cr(CO) ₆ · Kr	Chromiumhexacarbonyl – krypton (1/1)
691	C ₆ CrO ₆ Xe	Cr(CO) ₆ · Xe	Chromiumhexacarbonyl – xenon (1/1)

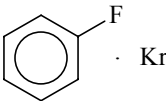
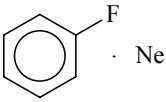
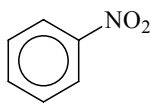
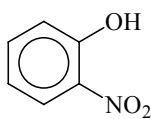
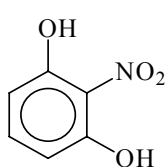
Element System C -F -...

No.	Hill Formula	Structure Formula	Name
692	C ₆ F ₄ N ₂ S ₂		5,6,7,8-Tetrafluoro-1,3λ ⁴ 8 ² ,2,4-benzodithiadiazine
693	C ₆ F ₁₈ N ₃ P ₃		2,2,4,4,6,6-Hexahydro-2,2,4,4,6,6-hexakis-(trifluoromethyl)-1,3,5,2,4,6-triazatriphosphorine


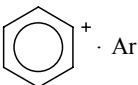
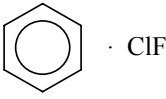
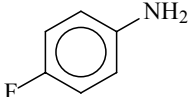
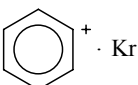
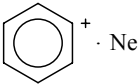
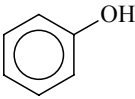
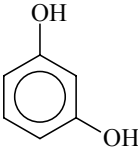
Element System C -H -... with 1 to 5 Hydrogen Atoms

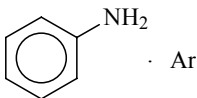
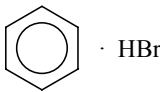
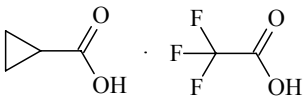
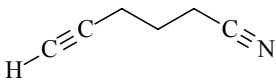
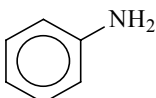
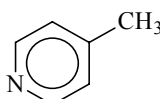
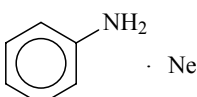
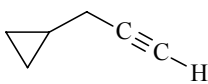
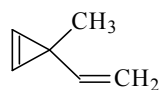
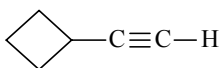


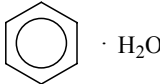
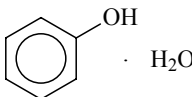
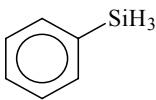
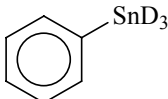
No.	Hill Formula	Structure Formula	Name
694	C ₆ HN		2-(Cyanoethynyl)-2-cyclopropen-1-ylidene
695	C ₆ H ₂ ⁺	H-C≡C-C≡C-C≡C-H ⁺	Triacetylene cation
696	C ₆ H ₃ ArF ₃		1,2,3-Trifluorobenzene – argon (1/1)
697	C ₆ H ₃ ArF ₃		1,2,4-Trifluorobenzene – argon (1/1)

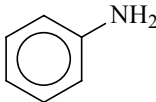
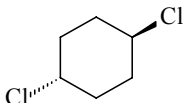
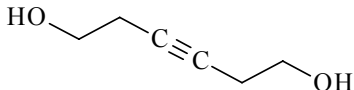
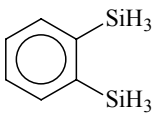
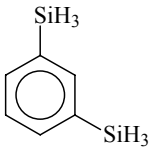

No.	Hill Formula	Structure Formula	Name
698	C ₆ H ₃ F ₃		1,2,4-Trifluorobenzene
699	C ₆ H ₄		Cis-Hex-3-ene-1,5-diyne (1)
700	C ₆ H ₄ ArF ₂		1,4-Difluorobenzene – argon (1/1)
701	C ₆ H ₄ FeO ₄		Tetracarbonyl(η ² -ethene)iron
702	C ₆ H ₄ N ₂		1-Cyclobutene-1,2-dicarbonitrile
703	C ₆ H ₄ N ₂ O ₆		4,6-Dinitro-1,3-benzenediol
704	C ₆ H ₄ N ₂ S ₂		1,3λ ⁴ δ ² ,2,4-Benzodithiadiazine
705	C ₆ H ₅ ArCl		Chlorobenzene – argon (1/1)
706	C ₆ H ₅ ArF		Fluorobenzene – argon (1/1)
707	C ₆ H ₅ BrFeO ₃		η ³ -Allylbromotricarbonyliron
708	C ₆ H ₅ ClNe		Chlorobenzene – neon (1/1)
709	C ₆ H ₅ Cl ₂ P		Phenylphosphonous dichloride

No.	Hill Formula	Structure Formula	Name
710	C ₆ H ₅ FKr		Fluorobenzene – krypton (1/1)
711	C ₆ H ₅ FNe		Fluorobenzene – neon (1/1)
712	C ₆ H ₅ NO ₂		Nitrobenzene
713	C ₆ H ₅ NO ₃		2-Nitrophenol
714	C ₆ H ₅ NO ₄		1,3-Dihydroxy-2-nitrobenzene



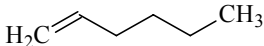
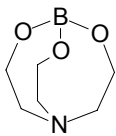
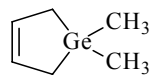
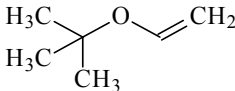
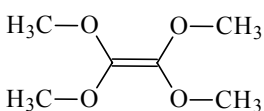
Element System C-H -... with 6 to 10 Hydrogen Atoms

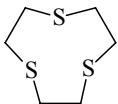
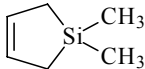
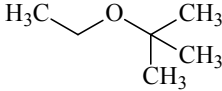
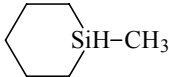

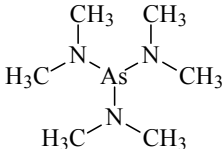
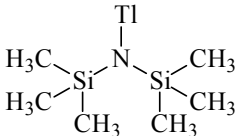
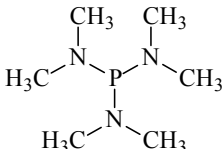
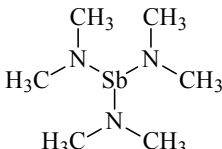
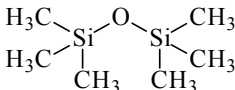
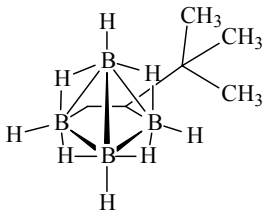
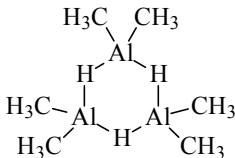
No.	Hill Formula	Structure Formula	Name
715	C ₆ H ₆		Benzene
716	C ₆ H ₆ Ar ⁺		Benzene cation – argon (1/1)
717	C ₆ H ₆ ClF		Benzene – chlorine fluoride (1/1)
718	C ₆ H ₆ FN		4-Fluoroaniline
719	C ₆ H ₆ Kr ⁺		Benzene cation – krypton (1/1)
720	C ₆ H ₆ Ne ⁺		Benzene cation – neon (1/1)
721	C ₆ H ₆ O		Phenol
722	C ₆ H ₆ O ₂		Resorcinol

No.	Hill Formula	Structure Formula	Name
723	C ₆ H ₇ ArN		Aniline – argon (1/1)
724	C ₆ H ₇ Br		Benzene – hydrogen bromide (1/1)
725	C ₆ H ₇ F ₃ O ₄		Trifluoroacetic acid – cyclopropanecarboxylic acid (1/1)
726	C ₆ H ₇ N		5-Hexynenitrile
727	C ₆ H ₇ N		Benzenamine
728	C ₆ H ₇ N		4-Methylpyridine
729	C ₆ H ₇ NNe		Aniline – neon (1/1)
730	C ₆ H ₈		2-Propynylcyclopropane
731	C ₆ H ₈		3-Ethenyl-3-methylcyclopropene
732	C ₆ H ₈		Ethynylcyclobutane
733	C ₆ H ₈		1,3-Cyclohexadiene
734	C ₆ H ₈		1,4-Cyclohexadiene
735	C ₆ H ₈ O		Benzene – water (1/1)
736	C ₆ H ₈ O ₂		Phenol – water (1/1)
737	C ₆ H ₈ Si		Phenylsilane
738	C ₆ H ₈ Sn		Phenylstannane-d ₃

No.	Hill Formula	Structure Formula	Name
739	C ₆ H ₉ NO	 · H ₂ O	Aniline – water (1/1)
740	C ₆ H ₁₀ Cl ₂		Trans-1,4-Dichlorocyclohexane
741	C ₆ H ₁₀ O ₂		3-Hexyne-1,6-diol
742	C ₆ H ₁₀ Si ₂		1,2-Phenylenebissilane
743	C ₆ H ₁₀ Si ₂		1,3-Phenylenebissilane
744	C ₆ H ₁₀ Si ₂		1,4-Phenylenebissilane

Element System C -H with more than 10 Hydrogen Atoms

No.	Hill Formula	Structure Formula	Name
745	C ₆ H ₁₁ ClO	 · HCl	7-Oxabicyclo[2.2.1]heptane – hydrogen chloride (1/1)
746	C ₆ H ₁₁ FO	 · HF	7-Oxabicyclo[2.2.1]heptane – hydrogen fluoride (1/1)
747	C ₆ H ₁₂		1-Hexene
748	C ₆ H ₁₂ BNO ₃		2,8,9-Trioxa-5-aza-1-borabicyclo[3.3.3]undecane
749	C ₆ H ₁₂ Ge		1,1-Dimethylgermacyclopent-3-ene
750	C ₆ H ₁₂ O		2-(Ethenyloxy)-2-methylpropane
751	C ₆ H ₁₂ O ₄		Tetramethoxyethene

No.	Hill Formula	Structure Formula	Name
752	C ₆ H ₁₂ S ₃		1,4,7-Trithiacyclononane
753	C ₆ H ₁₂ Si		1,1-Dimethylsilacyclopent-3-ene
754	C ₆ H ₁₄ O		t-Butyl ethyl ether
755	C ₆ H ₁₄ Si		1-Methylsilacyclohexane
756	C ₆ H ₁₆ Si ₂		1,1,3,3-Tetramethyl-1,3-disilacyclobutane
757	C ₆ H ₁₈ AsN ₃		Tris(dimethylamino)arsine
758	C ₆ H ₁₈ InN	(CH ₃) ₃ N · In(CH ₃) ₃	(N,N-Dimethylmethanamine)trimethylindium
759	C ₆ H ₁₈ NSi ₂ Tl		Thallium bis(trimethylsilyl)amide
760	C ₆ H ₁₈ N ₃ P		Tris(dimethylamino)phosphine
761	C ₆ H ₁₈ N ₃ Sb		Tris(dimethylamino)stibine
762	C ₆ H ₁₈ OSi ₂		Hexamethyldisiloxane
763	C ₆ H ₂₀ B ₄		2,4[1-(1,1-Dimethylethyl)-1,2-ethanediyl]tetraborane(10)
764	C ₆ H ₂₁ Al ₃		Tri-μ-hydrohexamethyltrialuminum

Element System C -Kr-...

No.	Hill Formula	Structure Formula	Name
765	C ₆ KrMoO ₆	Mo(CO) ₆ · Kr	Molybdenumhexacarbonyl – krypton (1/1)
766	C ₆ KrO ₆ W	W(CO) ₆ · Kr	Tungstenhexacarbonyl – krypton (1/1)

Element System C -Mo-...

No.	Hill Formula	Structure Formula	Name
767	C ₆ MoO ₆ Xe	Mo(CO) ₆ · Xe	Molybdenumhexacarbonyl – xenon (1/1)

Element System C -O-...

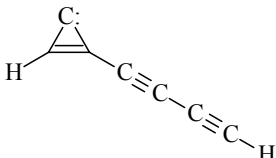
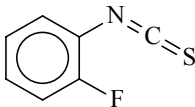
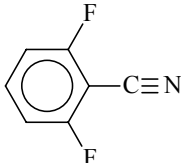
No.	Hill Formula	Structure Formula	Name
768	C ₆ O ₆ WXe	W(CO) ₆ · Xe	Tungstenhexacarbonyl – xenon (1/1)

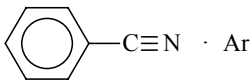
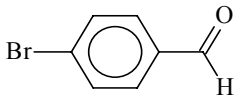
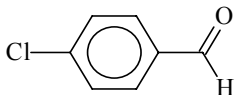
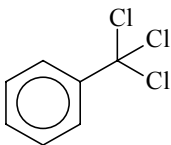
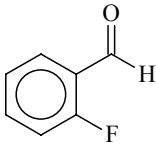
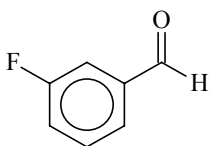
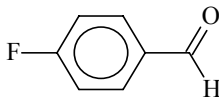
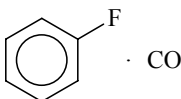
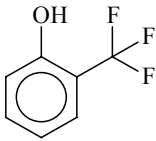
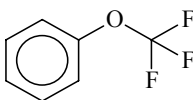
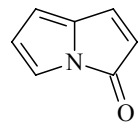
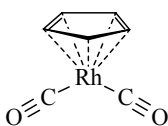
Element System C -Si-...

No.	Hill Formula	Structure Formula	Name
769	C ₆ Si	C=C=C=C=C=C=Si	6-Silanetetrayl-1,2,3,4,5-hexapentaenyldiene

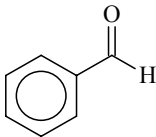
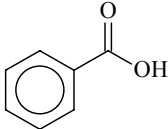
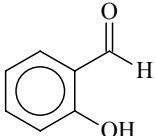
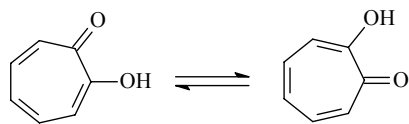
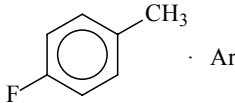
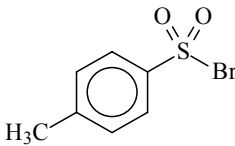
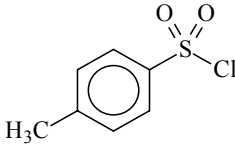
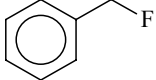
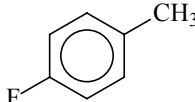
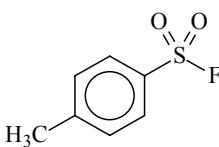
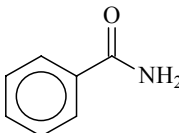
Molecules containing 7 Carbon Atoms

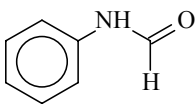
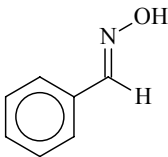
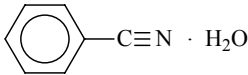
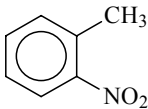
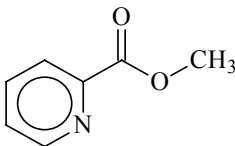
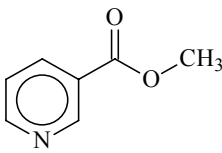
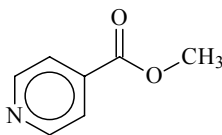
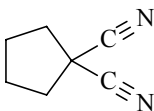
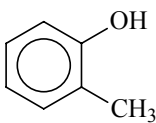
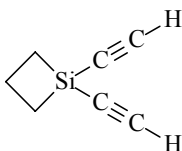
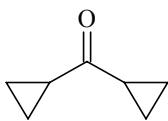
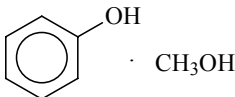
Element System C -H -... with 1 to 5 Hydrogen Atoms

No.	Hill Formula	Structure Formula	Name
770	C ₇ HN	HC≡C–C≡C–C≡C–C≡N	1-Cyano-1,3,5-hexatriyne
771	C ₇ H ₂		2-(1,3-Butadiynyl)-2-cyclopropen-1-ylidene
772	C ₇ H ₄ FNS		2-Fluorophenyl isothiocyanate
773	C ₇ H ₃ F ₂ N		2,6-Difluorobenzonitrile

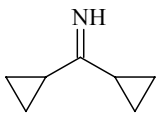
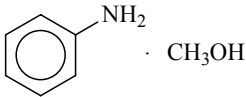
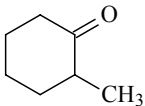
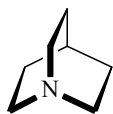
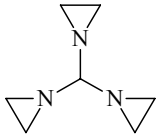

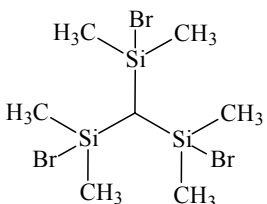
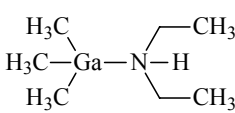
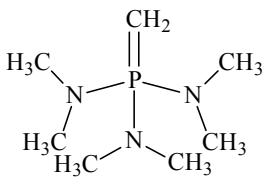
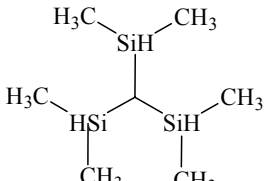
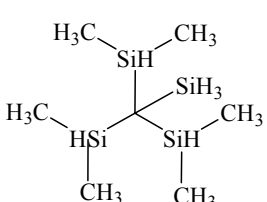
No.	Hill Formula	Structure Formula	Name
774	C ₇ H ₅ ArN		Benzonitrile – argon (1/1)
775	C ₇ H ₅ BrO		4-Bromobenzaldehyde
776	C ₇ H ₅ ClO		4-Chlorobenzaldehyde
777	C ₇ H ₅ Cl ₃		(Trichloromethyl)benzene
778	C ₇ H ₅ FO		2-Fluorobenzaldehyde
779	C ₇ H ₅ FO		3-Fluorobenzaldehyde
780	C ₇ H ₅ FO		4-Fluorobenzaldehyde
781	C ₇ H ₅ FO		Fluorobenzene – carbon monoxide (1/1)
782	C ₇ H ₅ F ₃ O		2-(Trifluoromethyl)phenol
783	C ₇ H ₅ F ₃ O		(Trifluoromethoxy)benzene
784	C ₇ H ₅ NO		3H-Pyrrolizin-3-one
785	C ₇ H ₅ O ₂ Rh		Dicarbonyl(η ⁵ -2,4-cyclopentadien-1-yl)rhodium

Element System C-H -... with 6 to 10 Hydrogen Atoms

No.	Hill Formula	Structure Formula	Name
786	C ₇ H ₆ O		Benzaldehyde
787	C ₇ H ₆ O ₂		Benzoic acid
788	C ₇ H ₆ O ₂		2-Hydroxybenzaldehyde
789	C ₇ H ₆ O ₂		Tropolone
790	C ₇ H ₇ ArF	 · Ar	1-Fluoro-4-methylbenzene – argon (1/1)
791	C ₇ H ₇ BrO ₂ S		4-Methylbenzenesulfonyl bromide
792	C ₇ H ₇ ClO ₂ S		4-Methylbenzenesulfonyl chloride
793	C ₇ H ₇ F		Benzyl fluoride
794	C ₇ H ₇ F		1-Fluoro-4-methylbenzene
795	C ₇ H ₇ FO ₂ S		4-Methylbenzenesulfonyl fluoride
796	C ₇ H ₇ NO		Benzamide

No.	Hill Formula	Structure Formula	Name
797	C ₇ H ₇ NO		N-Phenylformamide
798	C ₇ H ₇ NO		(E)-Benzaldehyde oxime
799	C ₇ H ₇ NO		Benzonitrile – water
800	C ₇ H ₇ NO ₂		1-Methyl-2-nitrobenzene
801	C ₇ H ₇ NO ₂		2-Pyridinecarboxylic acid methyl ester
802	C ₇ H ₇ NO ₂		3-Pyridinecarboxylic acid methyl ester
803	C ₇ H ₇ NO ₂		Methyl isonicotinate
804	C ₇ H ₈ N ₂		1,1-Cyclopentanedicarbonitrile
805	C ₇ H ₈ O		2-Methylphenol
806	C ₇ H ₈ Si		1,1-Diethynylsilacyclobutane
807	C ₇ H ₁₀ O		Dicyclopropyl ketone
808	C ₇ H ₁₀ O ₂		Phenol – methanol (1/1)

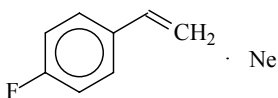
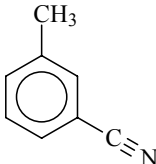
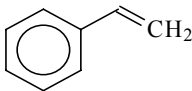
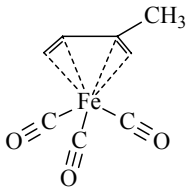
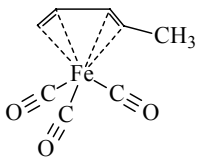
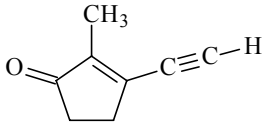
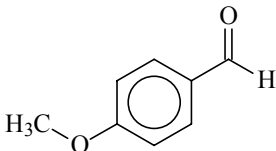
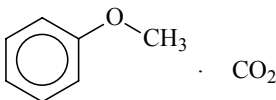
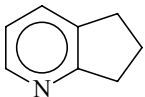
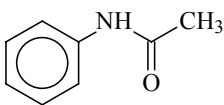
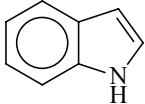
Element System C-H -... with more than 10 Hydrogen Atoms

No.	Hill Formula	Structure Formula	Name
809	C ₇ H ₁₁ N		(Dicyclopropylmethylene)amine
810	C ₇ H ₁₁ NO		Aniline – methanol (1/1)
811	C ₇ H ₁₂ O		2-Methylcyclohexanone
812	C ₇ H ₁₃ N		1-Azabicyclo[2.2.2]octane
813	C ₇ H ₁₃ N ₃		1,1',1''-Methylidynetrisaziridine
814	C ₇ H ₁₆ Ge		1,1,3,3-Tetramethylgermetane
815	C ₇ H ₁₉ Br ₃ Si ₃		Methylidynetris(bromodimethylsilane)
816	C ₇ H ₂₀ GaN		N-Ethylethanamine – trimethylgallium (1/1)
817	C ₇ H ₂₀ N ₃ P		N,N,N',N',N'',N''-Hexamethyl-1-methylenephosphoranetriamine
818	C ₇ H ₂₂ Si ₃		Methylidynetris(dimethylsilane)
819	C ₇ H ₂₄ Si ₄		(Silylmethylidyne)tris(dimethylsilane)

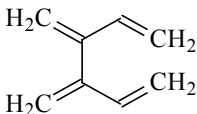
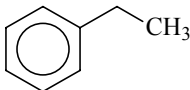
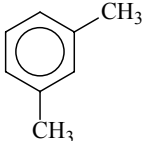
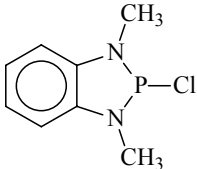
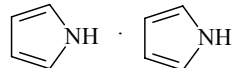
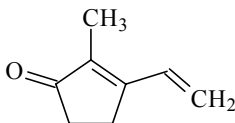
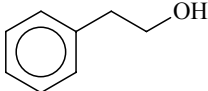
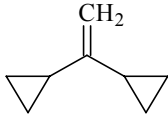
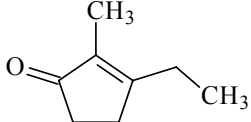
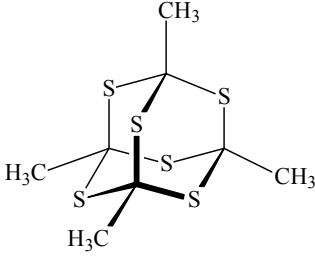
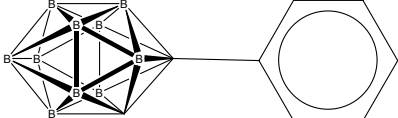
Molecules containing 8 Carbon Atoms

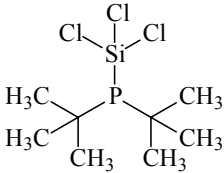
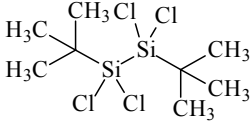
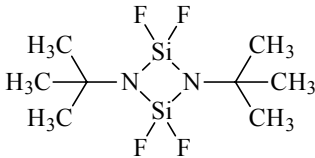
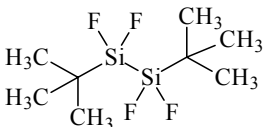
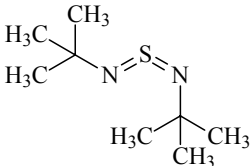
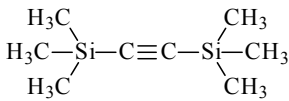
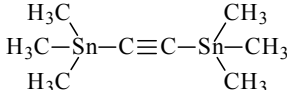
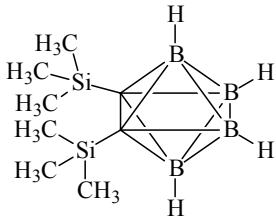
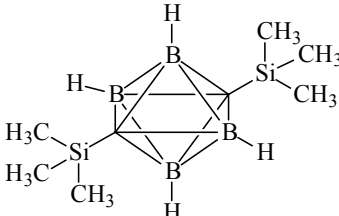
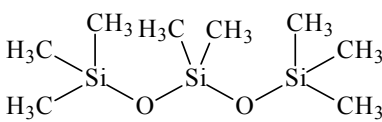
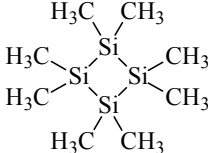
Element System C-H with less than 10 Hydrogen Atoms

No.	Hill Formula	Structure Formula	Name
820	C ₈ H ₅ O ₃ Re		Tricarbonyl(η ⁵ -2,4-cyclopentadien-1-yl)rhenium
821	C ₈ H ₆ Ar		Phenylacetylene – argon (1/1)
822	C ₈ H ₆ Cl ₂ O		2,2-Dichloro-1-phenylethanone
823	C ₈ H ₆ O ₄		2,5-Dihydroxy-1,4-benzenedicarboxaldehyde
824	C ₈ H ₆ S		Benzo[b]thiophene
825	C ₈ H ₇ ArF		1-Ethenyl-4-fluorobenzene – argon (1/1)
826	C ₈ H ₇ ArN		1H-Indole – argon (1/1)
827	C ₈ H ₇ Br		1-Bromo-2-ethenylbenzene
828	C ₈ H ₇ Br		(E)-(2-Bromoethenyl)benzene
829	C ₈ H ₇ Br		(Z)-(2-Bromoethenyl)benzene
830	C ₈ H ₇ ClO ₂		3-Chlorobenzoic acid methyl ester

No.	Hill Formula	Structure Formula	Name
831	C ₈ H ₇ FNe	 · Ne	1-Ethenyl-4-fluorobenzene – neon (1/1)
832	C ₈ H ₇ N		m-Methylbenzonitrile
833	C ₈ H ₈		Ethenylbenzene
834	C ₈ H ₈ FeO ₃		Tricarbonyl(isoprene)iron
835	C ₈ H ₈ FeO ₃		Tricarbonyl(trans-1,3-pentadiene)iron
836	C ₈ H ₈ O		3-Ethynyl-2-methyl-2-cyclopenten-1-one
837	C ₈ H ₈ O ₂		p-Methoxybenzaldehyde
838	C ₈ H ₈ O ₃	 · CO ₂	Methoxybenzene – carbon dioxide (1/1)
839	C ₈ H ₉ N		2,3-Cyclopentenopyridine
840	C ₈ H ₉ NO		Acetanilide
841	C ₈ H ₉ NO	 · H ₂ O	1H-Indole – water (1/1)

Element System C-H-... with 10 or more Hydrogen Atoms

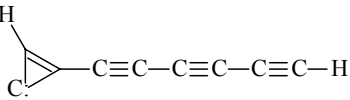
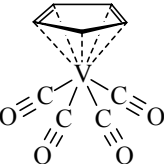
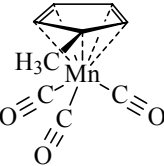
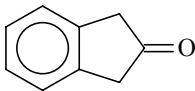
No.	Hill Formula	Structure Formula	Name
842	C ₈ H ₁₀		3,4-Bis(methylene)-1,5-hexadiene
843	C ₈ H ₁₀		Ethylbenzene
844	C ₈ H ₁₀		1,3-Dimethylbenzene
845	C ₈ H ₁₀ ClN ₂ P		2-Chloro-2,3-dihydro-1,3-dimethyl-1H-1,3,2-benzodiazaphosphole
846	C ₈ H ₁₀ N ₂		1H-Pyrrole dimer
847	C ₈ H ₁₀ O		3-Ethenyl-2-methyl-2-cyclopenten-1-one
848	C ₈ H ₁₀ O		2-Phenylethanol
849	C ₈ H ₁₂		1,1'-Ethenylidenebiscyclopropane
850	C ₈ H ₁₂ O		3-Ethyl-2-methyl-2-cyclopenten-1-one
851	C ₈ H ₁₂ S ₆		1,3,5,7-Tetramethyl-2,4,6,8,9,10-hexathiatricyclo-[3.3.1.1 ^{3,7}]decane
852	C ₈ H ₁₆ B ₁₀		1-Phenyl-1,2-dicarba-closo-dodecaborane(12)

No.	Hill Formula	Structure Formula	Name
853	C ₈ H ₁₈ Cl ₃ PSi		Di-t-butyl(trichlorosilyl)phosphine
854	C ₈ H ₁₈ Cl ₄ Si ₂		1,1,2,2-Tetrachloro-1,2-bis(1,1-dimethylethyl)disilane
855	C ₈ H ₁₈ F ₄ N ₂ Si ₂		1,3-Bis(1,1-dimethylethyl)-2,2,4,4-tetrafluorocyclodisilazane
856	C ₈ H ₁₈ F ₄ Si ₂		1,2-Bis(1,1-dimethylethyl)-1,1,2,2-tetrafluorodisilane
857	C ₈ H ₁₈ N ₂ S		N,N'-Bis(1,1-dimethylethyl)sulfur diimide
858	C ₈ H ₁₈ Si ₂		1,2-Ethynediylbis(trimethylsilane)
859	C ₈ H ₁₈ Sn ₂		1,2-Ethynediylbis(trimethylstannane)
860	C ₈ H ₂₂ B ₄ Si ₂		Closo-1,2-Bis(trimethylsilyl)-1,2-dicarbaheptaborane(6)
861	C ₈ H ₂₂ B ₄ Si ₂		Closo-1,6-Bis(trimethylsilyl)-1,6-dicarbaheptaborane(6)
862	C ₈ H ₂₄ O ₂ Si ₃		Octamethyltrisiloxane
863	C ₈ H ₂₄ Si ₄		Octamethylcyclotetrasilane

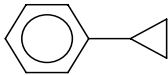
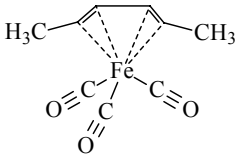
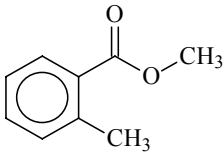
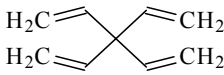
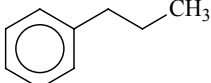
Molecules containing 9 Carbon Atoms

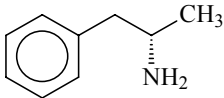
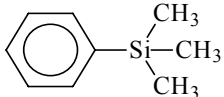
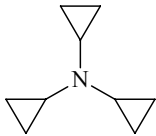
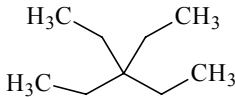
No.	Hill Formula	Structure Formula	Name
864	C ₉	C=C=C=C=C=C=C=C=C	1,2,3,4,5,6,7,8-Nonaoctaene-1,9-diyldene

Element System C -H -... with less than 10 Hydrogen Atoms

No.	Hill Formula	Structure Formula	Name
865	C ₉ HN	HC≡C-C≡C-C≡C-C≡C-C≡N	1-Cyano-1,3,5,7-octatetrayne
866	C ₉ H ₂		2-(1,3,5-Hexatriynyl)-2-cyclopropen-1-ylidene
867	C ₉ H ₅ O ₄ V		Cyclopentadienyltetracarbonylvandadium
868	C ₉ H ₇ MnO ₃		Methylcyclopentadienyl(tricarbonyl)manganese
869	C ₉ H ₈ O		2-Indanone

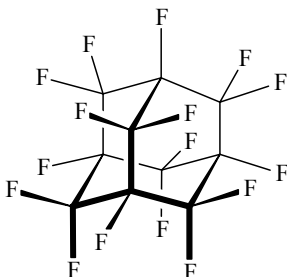
Element System C -H -... with 10 or more Hydrogen Atoms

No.	Hill Formula	Structure Formula	Name
870	C ₉ H ₁₀		Cyclopropylbenzene
871	C ₉ H ₁₀ FeO ₃		Tricarbonyl(trans,trans-2,4-hexadiene)iron
872	C ₉ H ₁₀ O ₂		2-Methylbenzoic acid methyl ester
873	C ₉ H ₁₂		3,3-Diethenyl-1,4-pentadiene
874	C ₉ H ₁₂		Propylbenzene

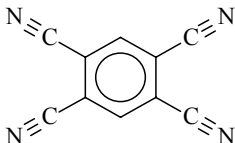

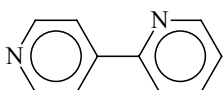
No.	Hill Formula	Structure Formula	Name
875	C ₉ H ₁₃ N		Amphetamine
876	C ₉ H ₁₄ Si		Trimethylphenylsilane
877	C ₉ H ₁₅ N		N,N-Dicyclopropylcyclopropanamine
878	C ₉ H ₂₀		3,3-Diethylpentane

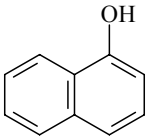
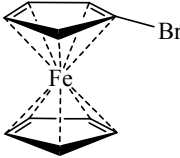
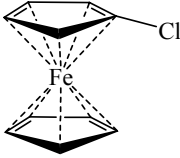
Molecules containing 10 Carbon Atoms

Element System C -F -...

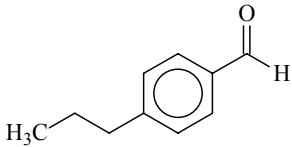
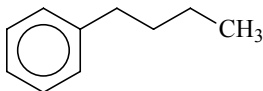
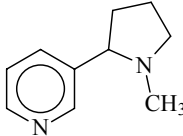
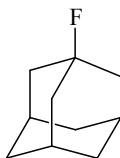
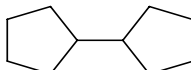
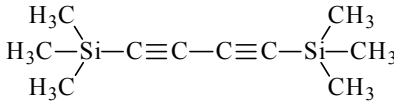
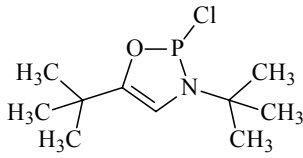
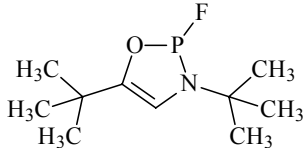
No.	Hill Formula	Structure Formula	Name
879	C ₁₀ F ₁₆		Hexadecafluorotricyclo[3.3.1.1 ^{3,7}]decane

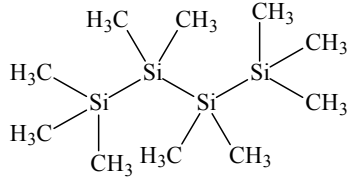
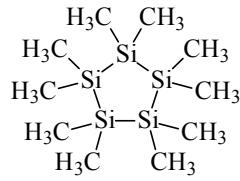
Element System C -H -... with less than 10 Hydrogen Atoms

No.	Hill Formula	Structure Formula	Name
880	C ₁₀ H ₂ N ₄		1,2,4,5-Benzenetetracarbonitrile
881	C ₁₀ H ₆		1,4-Diethynylbenzene
882	C ₁₀ H ₈ N ₂		2,4'-Dipyridyl

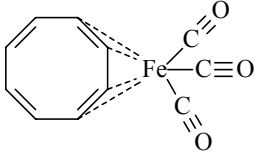
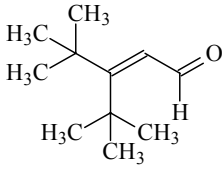
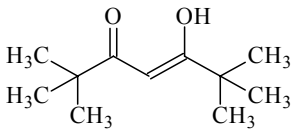
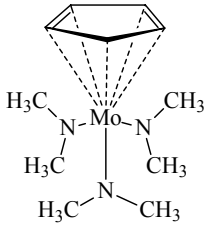
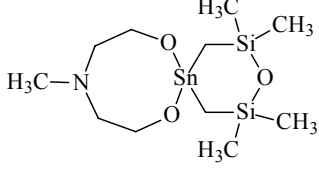
No.	Hill Formula	Structure Formula	Name
883	C ₁₀ H ₈ O		1-Hydroxynaphthalene
884	C ₁₀ H ₉ BrFe		Bromoferrocene
885	C ₁₀ H ₉ ClFe		Chloroferrocene

Element System C -H -... with 10 or more Hydrogen Atoms

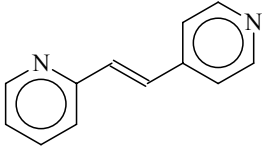
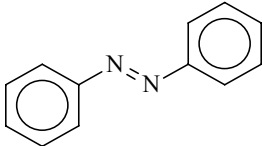
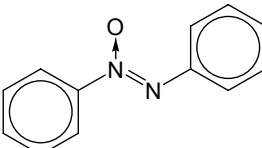
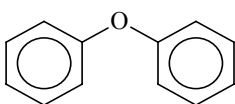
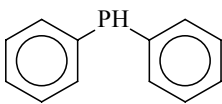
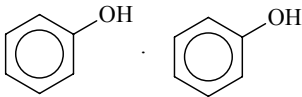
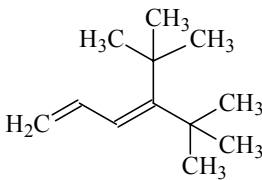
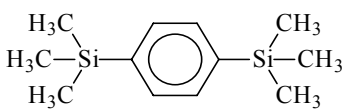
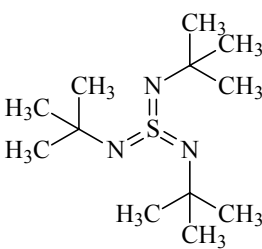
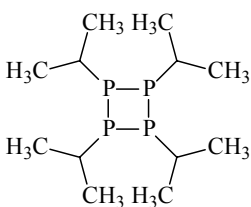
No.	Hill Formula	Structure Formula	Name
886	C ₁₀ H ₁₂ O		p-Propylbenzaldehyde
887	C ₁₀ H ₁₄		Butylbenzene
888	C ₁₀ H ₁₄ N ₂		3-(1-Methyl-2-pyrrolidinyl)pyridine
889	C ₁₀ H ₁₅ F		1-Fluoroadamantane
890	C ₁₀ H ₁₈		1,1'-Bicyclopentyl
891	C ₁₀ H ₁₈ Si ₂		1,3-Butadiyne-1,4-diylbis(trimethylsilane)
892	C ₁₀ H ₁₉ ClNOP		3,5-Di-t-butyl-2-chloro-2,3-dihydro-[1,3,2]oxazaphosphole
893	C ₁₀ H ₁₉ FNOP		3,5-Bis(1,1-dimethylethyl)-2-fluoro-2,3-dihydro-1,3,2-oxazaphosphole

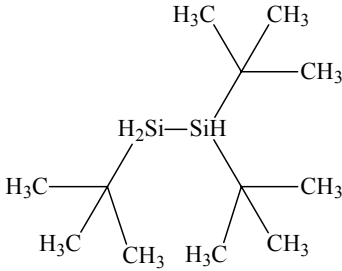
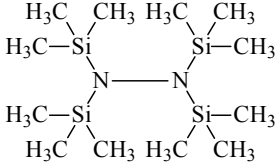
No.	Hill Formula	Structure Formula	Name
894	C ₁₀ H ₂₇ GaSi ₃	GaC(Si(CH ₃) ₃) ₃	[Tris(trimethylsilyl)methyl]gallium
895	C ₁₀ H ₃₀ Si ₄		Decamethyltetrasilane
896	C ₁₀ H ₃₀ Si ₅		Decamethylcyclopentasilane

Molecules containing 11 Carbon Atoms

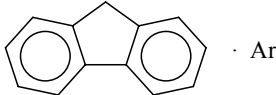
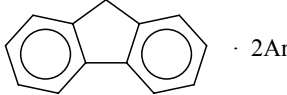
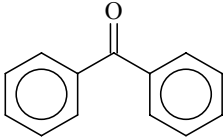
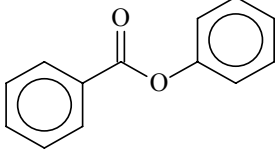
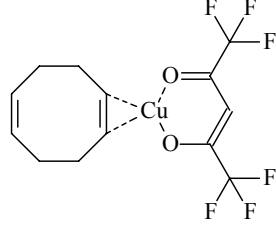
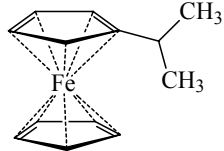
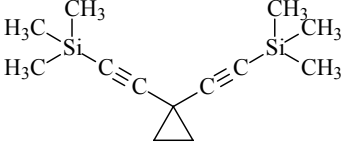
No.	Hill Formula	Structure Formula	Name
897	C ₁₁ HN	HC≡C-C≡C-C≡C-C≡C-C≡C-C≡N	1-Cyano-1,3,5,7,9-decapentayne
898	C ₁₁ H ₈ FeO ₃		Tricarbonyl[(1,2,3,4-η)-1,3,5,7-cyclooctatetraene]iron
899	C ₁₁ H ₂₀ O		3-(1,1-Dimethylethyl)-4,4-dimethyl-2-pentenal
900	C ₁₁ H ₂₀ O ₂		(4Z)-5-Hydroxy-2,2,6,6-tetramethyl-4-hepten-3-one
901	C ₁₁ H ₂₃ MoN ₃		(η ⁵ -2,4-Cyclopentadien-1-yl)tris(N-methylmethan-aminato)molybdenum
902	C ₁₁ H ₂₇ NO ₃ Si ₂ Sn		2,2,4,4,10-Pentamethyl-3,7,13-trioxa-10-aza-2,4-disila-6-stannaspiro[5.7]tridecane

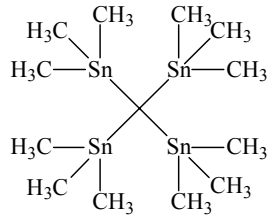
Molecules containing 12 Carbon Atoms

No.	Hill Formula	Structure Formula	Name
903	C ₁₂ H ₁₀ N ₂		1-(2-Pyridyl)-2-(4-pyridyl)ethene
904	C ₁₂ H ₁₀ N ₂		Trans-Azobenzene
905	C ₁₂ H ₁₀ N ₂ O		(Z)-Diphenyldiazene 1-oxide
906	C ₁₂ H ₁₀ O		1,1'-Oxybisbenzene
907	C ₁₂ H ₁₁ P		Diphenylphosphine
908	C ₁₂ H ₁₂ O ₂		Phenol dimer
909	C ₁₂ H ₂₂		4-(1,1-Dimethylethyl)-5,5-dimethyl-1,3-hexadiene
910	C ₁₂ H ₂₂ Si ₂		1,4-Phenylenebis(trimethylsilane)
911	C ₁₂ H ₂₇ N ₃ S		N,N',N''-Tris(1,1-dimethylethyl)sulfur triimide
912	C ₁₂ H ₂₈ P ₄		Tetrakis(1-methylethyl)tetraphosphetane

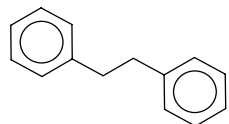
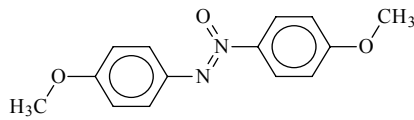
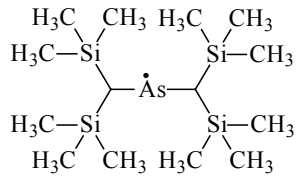
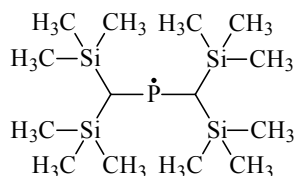
No.	Hill Formula	Structure Formula	Name
913	C ₁₂ H ₃₀ Si ₂		1,1,2-Tris(1,1-dimethylethyl)disilane
914	C ₁₂ H ₃₆ N ₂ Si ₄		Tetrakis(trimethylsilyl)hydrazine

Molecules containing 13 Carbon Atoms

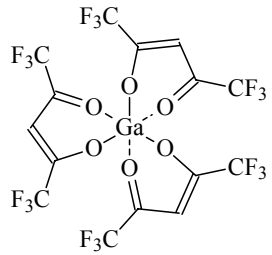
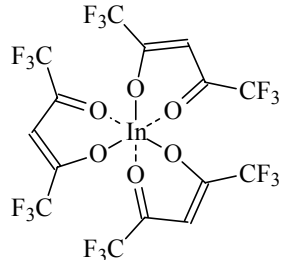
No.	Hill Formula	Structure Formula	Name
915	C ₁₃ H ₁₀ Ar		9H-Fluorene – argon (1/1)
916	C ₁₃ H ₁₀ Ar ₂		9H-Fluorene – argon (1/2)
917	C ₁₃ H ₁₀ O		Benzophenone
918	C ₁₃ H ₁₀ O ₂		Benzoic acid phenyl ester
919	C ₁₃ H ₁₃ CuF ₆ O ₂		[(1,2-η)-1,5-Cyclooctadiene](1,1,1,5,5,5-hexafluoro-2,4-pentanedionato-κO,κO')copper
920	C ₁₃ H ₁₆ Fe		(1-Methylethyl)ferrocene
921	C ₁₃ H ₂₂ Si ₂		(Cyclopropylidenedi-2,1-ethynediyl)bis-(trimethylsilane)

No.	Hill Formula	Structure Formula	Name
922	C ₁₃ H ₃₆ Sn ₄		Tetrakis(trimethylstannyl)methane

Molecules containing 14 Carbon Atoms

No.	Hill Formula	Structure Formula	Name
923	C ₁₄ H ₁₄		1,1'-(1,2-Ethanediyl)bisbenzene
924	C ₁₄ H ₁₄ N ₂ O ₃		(Z)-Bis(4-methoxyphenyl)diazene 1-oxide
925	C ₁₄ H ₃₈ AsSi ₄		Bis[bis(trimethylsilyl)methyl]arsino
926	C ₁₄ H ₃₈ PSi ₄		Bis[bis(trimethylsilyl)methyl]phosphino

Molecules containing 15 Carbon Atoms

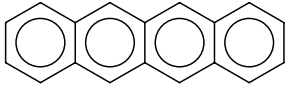
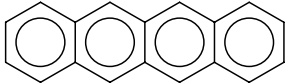
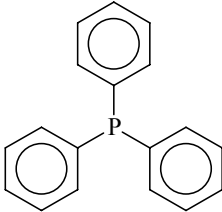
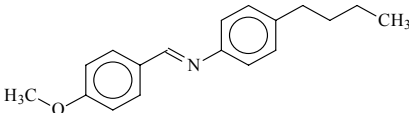
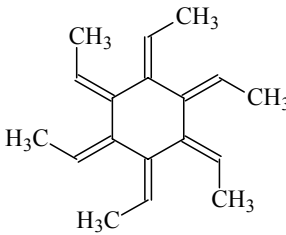
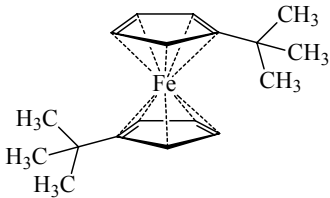
No.	Hill Formula	Structure Formula	Name
927	C ₁₅ H ₃ F ₁₈ GaO ₆		Tris(1,1,1,5,5,5-hexafluoro-2,4-pentanedionato-κO,κO')gallium
928	C ₁₅ H ₃ F ₁₈ InO ₆		Tris(1,1,1,5,5,5-hexafluoro-2,4-pentanedionato-κO,κO')indium

No.	Hill Formula	Structure Formula	Name
929	C ₁₅ H ₁₅ F ₅ Ru		1,2,3,4,5-Pentafluoro-1',2',3',4',5'-pentamethylruthenocene
930	C ₁₅ H ₂₁ O ₆ Sc		Tris(2,4-pentanedionato-κO,κO')scandium
931	C ₁₅ H ₃₀ Sn ₃		1,3,5-Benzenetriyltris[trimethylstannane]

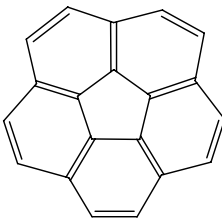
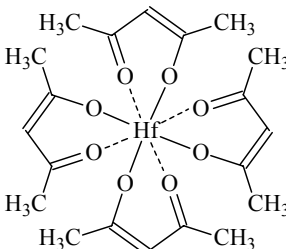
Molecules containing 16 Carbon Atoms

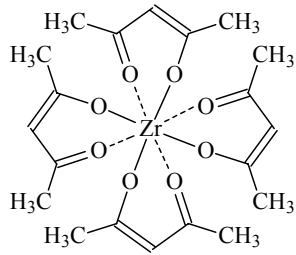
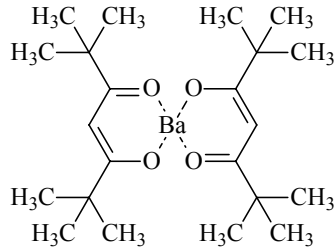
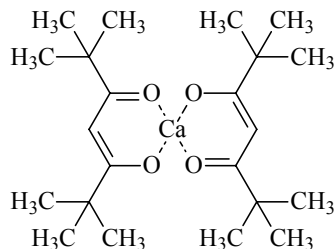
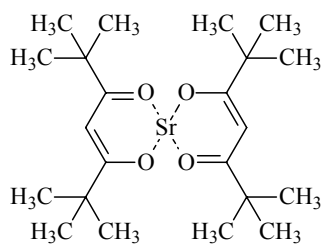
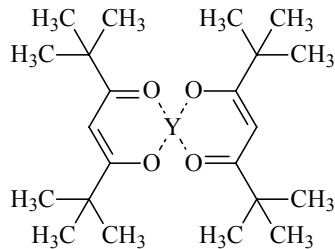
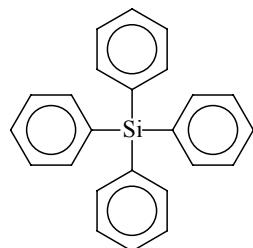
No.	Hill Formula	Structure Formula	Name
932	C ₁₆ H ₃₃ N ₃ Ti		Tris(N-methylmethanaminato)[(1,2,3,4,5-η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]titanium
933	C ₁₆ H ₃₃ N ₃ Zr		Tris(N-methylmethanaminato)[(1,2,3,4,5-η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]zirconium
934	C ₁₆ H ₃₆ B ₄		Tetrakis(1,1-dimethylethyl)tetraborane(4)

Molecules containing 18 Carbon Atoms

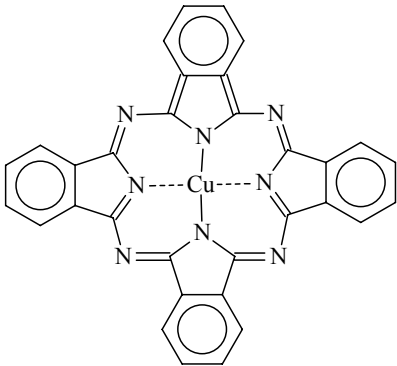
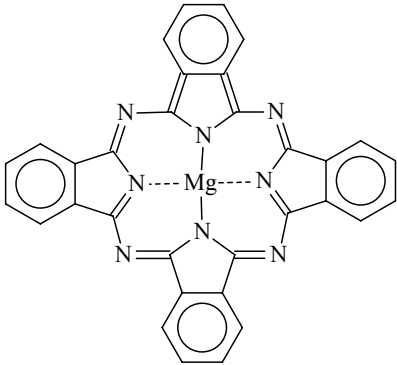
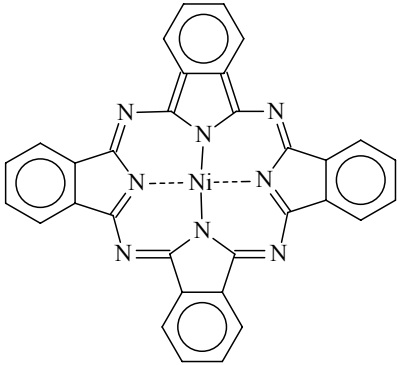
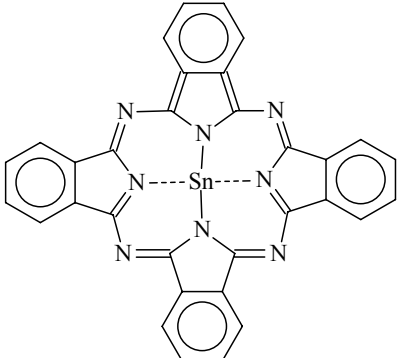
No.	Hill Formula	Structure Formula	Name
935	$C_{18}H_{12}Ar$	 · Ar	Naphthacene – argon (1/1)
936	$C_{18}H_{12}Kr$	 · Kr	Naphthacene – krypton (1/1)
937	$C_{18}H_{15}P$		Triphenylphosphine
938	$C_{18}H_{21}NO$		4-Butyl-N-[(4-methoxyphenyl)methylene]benzenamine
939	$C_{18}H_{24}$		(All-E)-Hexaethylidenecyclohexane
940	$C_{18}H_{26}Fe$		1,1'-Bis(1,1-dimethylethyl)ferrocene

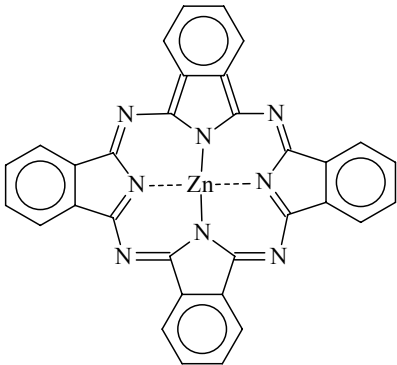
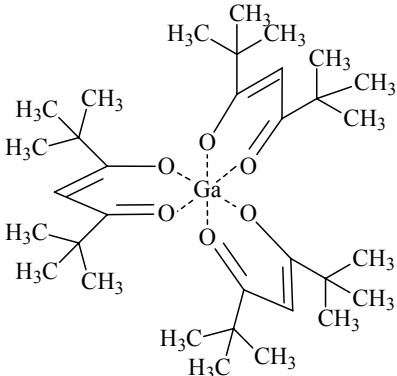
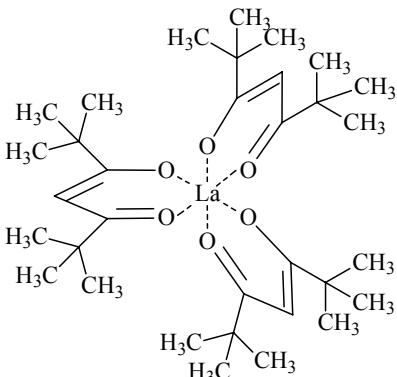
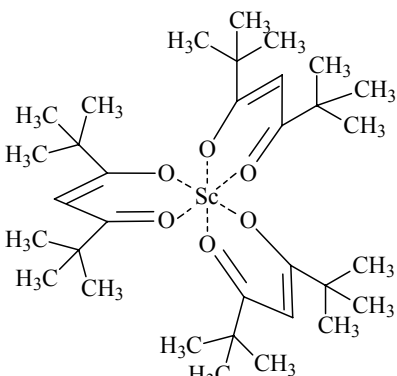
Molecules containing 20 to 30 Carbon Atoms

No.	Hill Formula	Structure Formula	Name
941	$C_{20}H_{10}$		Dibenzo[ghi,mno]fluoranthene
942	$C_{20}H_{28}HfO_8$		Tetrakis(acetylacetonato)hafnium(IV)

No.	Hill Formula	Structure Formula	Name
943	$C_{20}H_{28}O_8Zr$		Tetrakis(acetylacetonato)zirconium(IV)
944	$C_{22}H_{38}BaO_4$		Bis(2,2,6,6-tetramethyl-3,5-heptanedionato-κO,κO')barium
945	$C_{22}H_{38}CaO_4$		Bis(2,2,6,6-tetramethyl-3,5-heptanedionato-κO,κO')calcium
946	$C_{22}H_{38}O_4Sr$		Bis(2,2,6,6-tetramethyl-3,5-heptanedionato-κO,κO')strontium
947	$C_{22}H_{38}O_4Y$		Bis(2,2,6,6-tetramethyl-3,5-heptanedionato-O,O')yttrium
948	$C_{24}H_{20}Si$		Tetraphenylsilane

Molecules containing more than 30 Carbon Atoms

No.	Hill Formula	Structure Formula	Name
949	$C_{32}H_{16}CuN_8$		Phthalocyaninatocopper(II)
950	$C_{32}H_{16}MgN_8$		[29H,31H-Phthalocyaninato-κN ²⁹ ,κN ³⁰ ,κN ³¹ ,κN ³²]-magnesium
951	$C_{32}H_{16}N_8Ni$		Phthalocyaninatonicel(II)
952	$C_{32}H_{16}N_8Sn$		[29H,31H-Phthalocyaninato-κN ²⁹ ,κN ³⁰ ,κN ³¹ ,κN ³²]tin

No.	Hill Formula	Structure Formula	Name
953	C ₃₂ H ₁₆ N ₈ Zn		[29H,31H-Phthalocyaninato-κN ²⁹ ,κN ³⁰ ,κN ³¹ ,κN ³²]zinc
954	C ₃₃ H ₅₇ GaO ₆		Tris(2,2,6,6-tetramethyl-3,5-heptanedionato-κO,κO')gallium
955	C ₃₃ H ₅₇ LaO ₆		Tris(2,2,6,6-tetramethyl-3,5-heptanedionato-κO,κO')lanthanum
956	C ₃₃ H ₅₇ O ₆ Sc		Tris(2,2,6,6-tetramethyl-3,5-heptanedionato-κO,κO')scandium(III)
957	C ₇₀	C ₇₀	[5,6]Fullerene-C ₇₀ -D _{5h}

Molecules containing Five or More Carbon Atoms

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