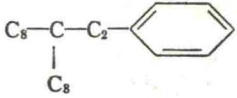
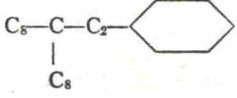
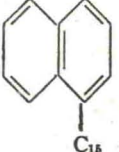
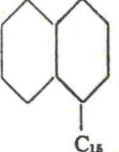
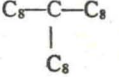
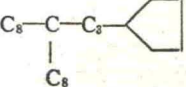
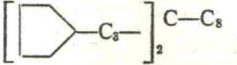
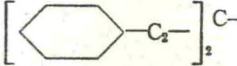
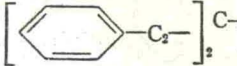
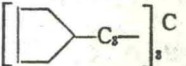


TABLE I. Atmospheric pressure physical properties of the hydrocarbons.

PSU ^a No.	Name	Structure ^b	Molecular weight	Melting point	Boiling point at 1 mm (°C)	Refraction index at 40°C	Viscosity at 98.9°C (cp)
528	<i>n</i> -Dodecane	<i>n</i> -C ₁₂	170.3	-5.5	104.0 (20 mm)	1.4134	0.5172
532	<i>n</i> -Pentadecane	<i>n</i> -C ₁₅	212.4	9.9	91.5	1.4238	0.7984
537	<i>n</i> -Octadecane	<i>n</i> -C ₁₈	254.5	27.8	128.0	1.4314	1.154
87	9(2-Phenylethyl)heptadecane		344.6	-26.7	175.5	1.4729	2.03
88	9(2-Cyclohexylethyl)heptadecane		350.6	Glasses	188.5	1.4539	2.57
174	1- α -Naphthylpentadecane		338.7	41.6	215.0	1.5215 ^c	2.891
175	1- α -Decalylpentadecane		348.6	Up to 30.9	204.5	1.4694	3.547
25	9- <i>n</i> -Octylheptadecane		352.7	-13.8	184.0	1.4412	1.87
110	9(3-Cyclopentylpropyl)heptadecane		350.7	-20.6	188.0	1.4515	2.26
111	1-Cyclopentyl-4(3-cyclopentylpropyl)dodecane		348.6	Approx. -40	193.0	1.4630	2.88
19	1-Cyclohexyl-3(2-cyclohexylethyl)undecane		348.6	Glasses -40	194.5	1.4683	4.06
18	1-Phenyl-3(2-phenylethyl)undecane		336.5	Liquid at -60	197.0	1.5116	2.50
113	1,7-Dicyclopentyl-4(3-cyclopentylpropyl)heptane		346.6	-23.7	198.0	1.4754	3.88

^a Assigned for identification purposes only.^b C_n refers to an unbranched, saturated chain of *n* carbon atoms with the substituent hydrogens.^c Measured on supercooled sample.