

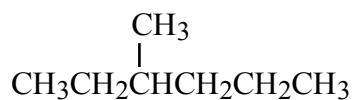
Name: \_\_\_\_\_

Period: \_\_\_\_

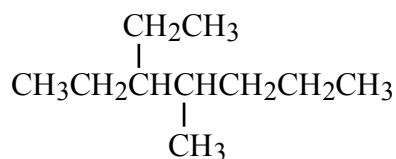
**I. Alkanes**

(1) Name the following alkanes. Show how the carbon atoms are numbered.

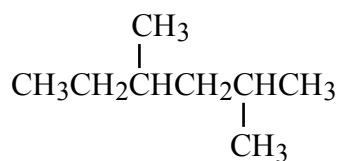
(a)



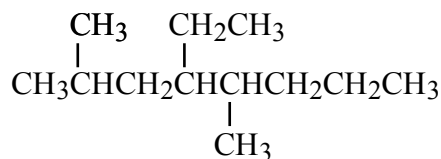
(b)



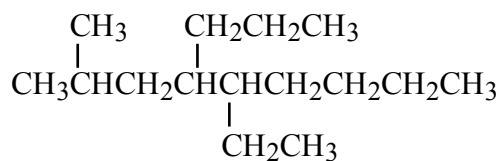
(c)



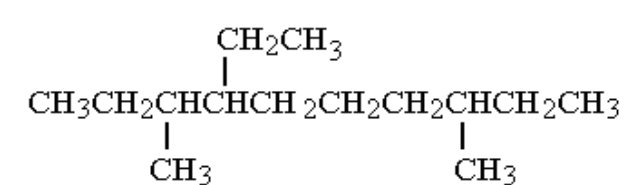
(d)



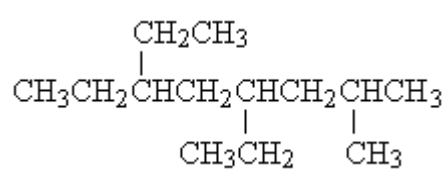
(e)



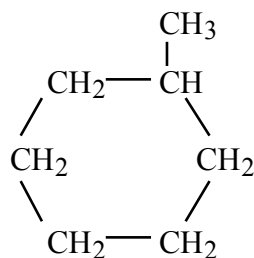
(f)



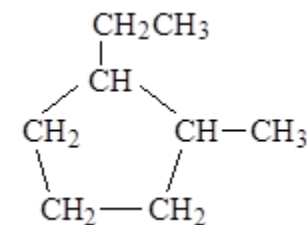
(g)



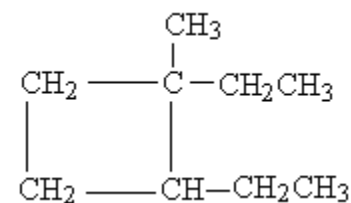
(h)



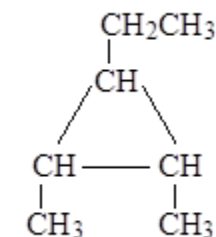
(i)



(j)



(k)



(2) Draw the following alkanes. Show how the carbon atoms are numbered.

(a) 2-methylpropane

(g) 3-ethyl-2-methyl-5,6-dipropylnonane

(b) 3-ethyl-2-methylhexane

(h) 1-ethylcyclopropane

(c) 2,2-dimethylbutane

(i) 2,3-dimethyl-1-propylcyclobutane

(d) 3-ethyl-2,5-dimethylheptane

(j) 1,2-diethyl-3-methylcyclopentane

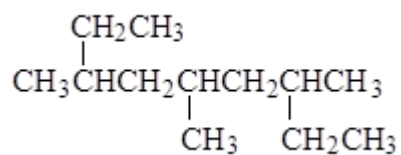
(e) 3,3,5-trimethyloctane

(k) 1,3-dimethylcyclohexane

(f) 5-butyl-2,3,6-trimethyldecane

(3) Name the following alkanes. Show how the carbon atoms are numbered.

(a)



(b)

