NOMENCLATURE : ALKANES

Key L.V.

Name the following alkanes:

1) $CH_3-CH_2-CH_2-CH_2-CH_3$: pentane

2) $\overset{4}{CH_3}-\overset{3}{CH_2}-\underset{\underset{CH_3}{|}}{\overset{2}{CH_2}}-\overset{1}{CH_3}$: 2-methylbutane

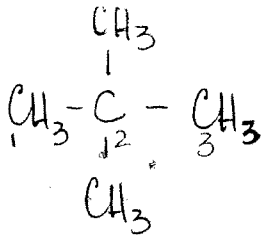
3) $CH_3-\underset{6}{\underset{|}{\overset{7}{CH_2}-\overset{8}{CH_2}-\overset{9}{CH_3}}CH}-\underset{5}{CH_2}-\underset{4}{CH_2}-\underset{3}{\underset{|}{CH}}-CH_3$: 3,6-dimethylnonane

$\underset{2}{CH_2}-\underset{1}{CH_3}$

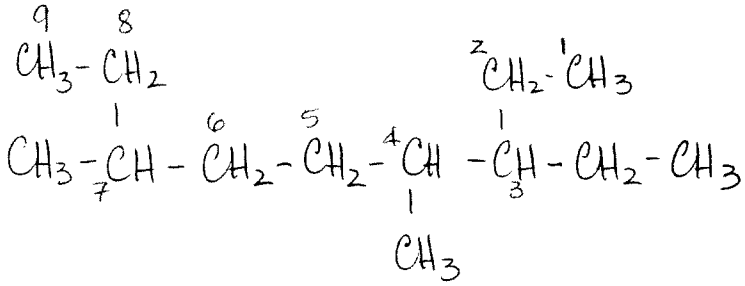
4) $CH_3-\underset{6}{\underset{|}{\overset{7}{CH_2}-\overset{8}{CH_3}}CH}-\underset{5}{CH_2}-\underset{\underset{CH_3}{|}}{\overset{4}{CH}}-\underset{3}{\underset{|}{\overset{CH_2-CH_3}{CH}}}-\underset{2}{CH_2}-\underset{1}{CH_3}$: 3-ethyl-4,6-dimethyloctane

5) $\underset{6}{CH_3}-\underset{5}{CH_2}-\underset{4}{CH_2}-\underset{3}{\underset{|}{\overset{2}{CH_2}-\overset{1}{CH_3}}CH}-CH_3$: 3-methylhexane

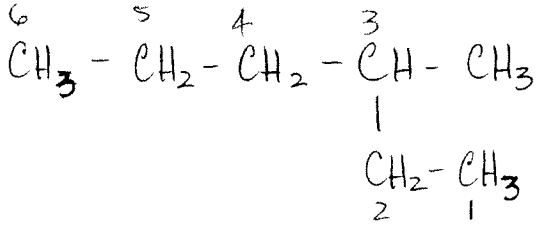
6) $\underset{1}{CH_3}-\underset{\underset{CH_3}{|}}{\overset{\overset{CH_3}{|}}{\underset{2}{C}}}-\underset{3}{CH_2}-\underset{4}{CH_3}$: 2,2-dimethylbutane

7) 

: 2,2-dimethylpropane

8) 

: 3-ethyl-4,7-dimethylnonan

9) 

: 3-methylhexane

10) $CH_3-CH_2-CH_2-CH_3$: butane