

1. Draw structural diagrams for:

a) pentanal

b) 2-methylhexanal

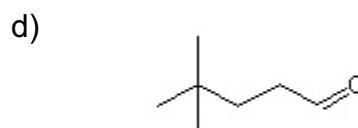
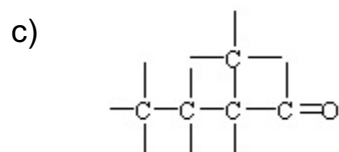
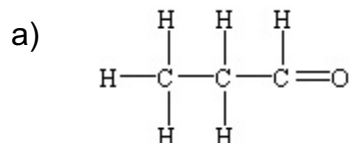
c) 2,3-dimethylbutanal

d) octanal

e) 2-ethyl-3-methylpentanal

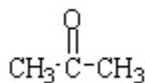
f) 3,4-dimethylpentanal

2. Name each of the following aldehydes:

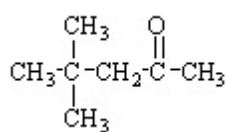


3. Name each of the following ketones:

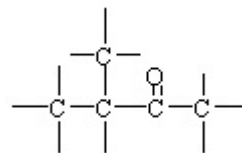
a)



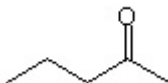
b)



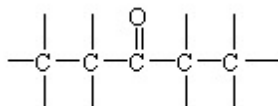
c)



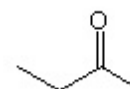
d)



e)



f)



4. Draw structural diagrams for:

a) 2-pentanone

b) 5-methyl-2-hexanone

c) 2,2-diethyl-3-hexanone

d) propanone

e) 3-methyl-2-butanone

f) 3-octanone

5. **DRAW** and **NAME** two isomers of $\text{C}_4\text{H}_8\text{O}$. One isomer should be an aldehyde and the second should be a ketone.