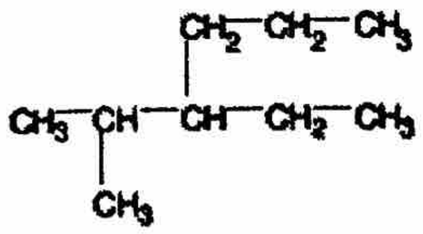
ROSEDALE ACADEMY

2. **Name the following organic molecules drawn as condensed structures:**

a. $CH_3(CH_2)_4CH(CH_3)_2$ Octane

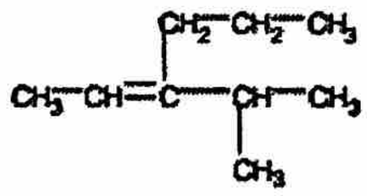
b. $CH_3C(CH_3)_2CH_3$ 2,2 dimethyl propane

c.  3-ethyl-2-methylhexane

d. $(CH_3)_4C$ 2,2-Dimethyl propane

e. $CH_3CH{=}CHCH_2CH_3$ 2-pentene

f. $CH_3CH_2CH{=}C(CH_3)_2$ 2-methylpent-2-ene

g.  3-(propan-2-yl)hex-2-ene

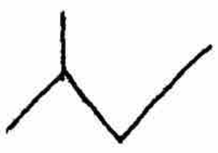
h. $(CH_3)_2CHC{\equiv}CCH_3$ 4-methylpent-2-yne.

i. $CH_3CH_2CH(OH)CH_3$ 2-butanol

j. $(CH_3CH_2)_2CHOH$ 3-methyl-1-butanol.

3. **Draw the following molecules as a line structure and a condensed structure.**

a. **2-methylbutane**



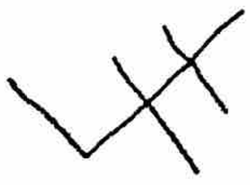
$CH_3CH(CH_3)CH_2CH_3$

$CH_3CH_2CH(CH_3)_2$

b. **2,2-dimethylhexane**

$CH_3(CH_2)_3C(CH_3)_3$

c. **2,2,3,3-tetramethylpentane**



$CH_3CH_2C(CH_3)_2C(CH_3)_2CH_3$

d. **3-ethyl-2,3-dimethyloctane**

$(CH_3)_2CHC(CH_3)(CH_2CH_3)(CH_2)_4CH_3$