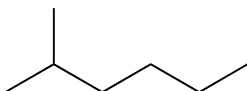


Recitation Week 5 **KEY**

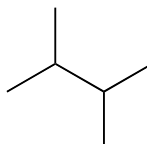
2/13/13

1. Name these alkanes:

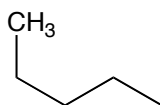
(a)

**2-methylhexane**

(b)

**2,3-dimethylbutane**

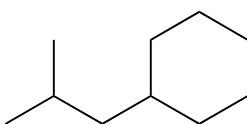
(c)

**pentane**

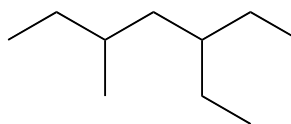
(d)

**3,3-dimethylpentane**

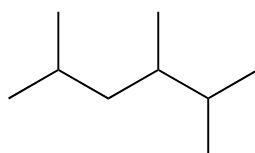
(e)

**4-ethyl-2-methylheptane**

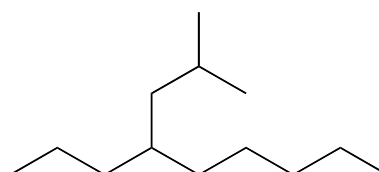
(f)

**3-ethyl-5-methylheptane**

(g)

**2,3,5-trimethylhexane**

(h)

**2-methyl-4-propylnonane**

2 Draw the molecules with these names:

(a) 2-chloro-3,3-dimethyl-1-pentanol

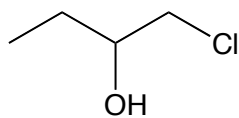
(b) *tert*-butyl alcohol(c) *sec*-butyl bromide

(d) 4-isopropyl-2-methyloctane



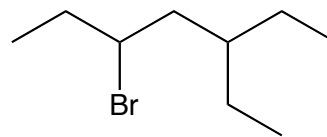
3. Name these compounds:

(a)



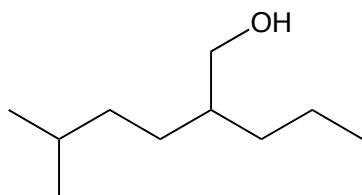
**1-chloro-2-butanol**  
**(or 1-chlorobutan-2-ol)**

(b)



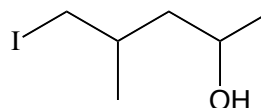
**3-bromo-5-ethylheptane**

(c)



**5-methyl-2-propyl-1-hexanol**  
**(or 5-methyl-2-propylhexan-1-ol)**

(d)



**5-iodo-4-methyl-2-pentanol**  
**(or 5-iodo-4-methylpentan-2-ol)**