

WS 10.11 Review

1. Which of these 2 compounds is more likely to be a liquid? Why?



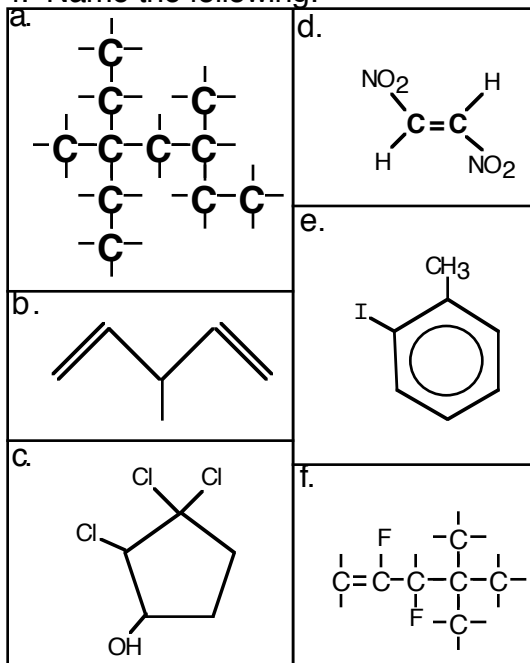
2. Write 6,6-dibromo-2-methyl-1-hexene as a **structural** formula and as a **condensed** formula:

3. Draw all line isomers for C_4H_8 :

3. Draw the following (*line or structural*):

1-iodo-2-butyne	2,2-dichloro-1,3-cyclopentadiol	cis-2,3-diiodo-2-pentene
m-diaminobenzene	p-chlorotoluene	1,3-dipropylcyclobutene

4. Name the following:



a.

b.

c.

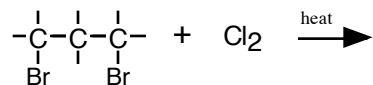
d.

e.

f.

WS 10.11 (side 2)

5. Write all products, then determine the % formation of each isomer: (alkane halogenation rxn)



6. Write the equation for the hydration of 1-pentene. Name the product.

7. Write the balanced equation for the complete combustion of methandiol:

(hint- 1st, draw the structural formula. 2nd, determine the molecular formula. 3rd, write the chemical reaction.)

8. Write the equation for the halogenation of **2-methyl-1-butene** with **fluorine gas**. Name the product.