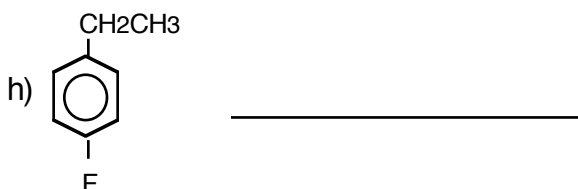
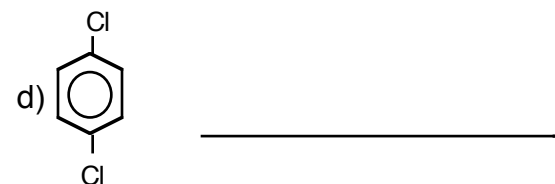
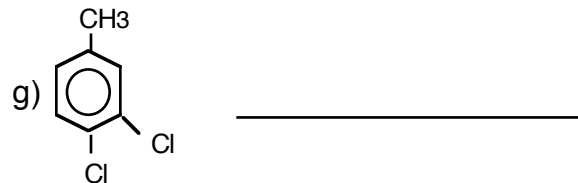
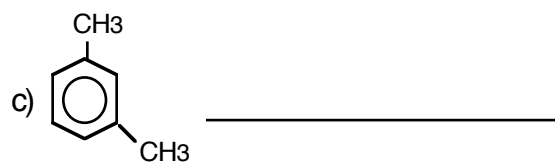
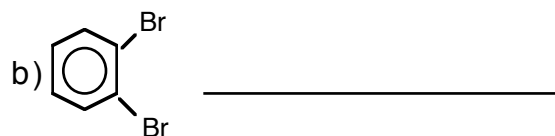
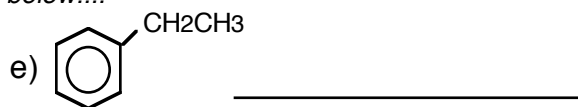


## +WS 12.9 AROMATIC COMPOUNDS

1. What do the terms ortho, meta, and para mean?

2. Write the IUPAC name for each of the following: (remember- if there are 2 functional groups, use o, m, p)

....check answer bank below....



3. Write the **line** formula for each of the following:

a) toluene

e) p-ethyltoluene

b) phenol

f) nitrobenzene

c) 1,3,5-tribromobenzene

g) 2,4,6-trinitrotoluene

d) naphthalene

h) paradichlorobenzene

4. Which of the above is used as an explosive? \_\_\_\_\_

5. Which two above are used in mothballs? \_\_\_\_\_

Ans #2 (IRO+1): m-bromochlorobenzene, o-dibromobenzene, p-dichlorobenzene, 3,4-dichlorotoluene,  
ethylbenzene, p-ethylfluorobenzene, m-methyltoluene, toluene