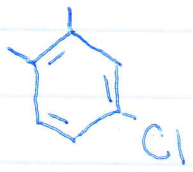
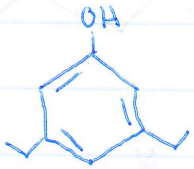
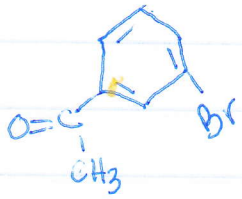
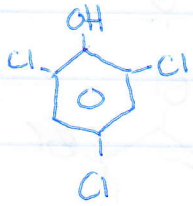
11/4/13 Group #3
Sital

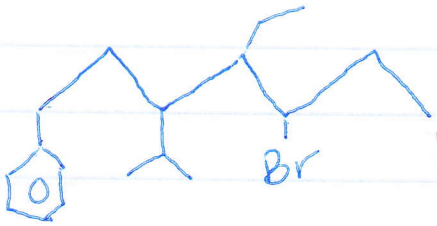
Name the Following

1. 

2. 

3. 

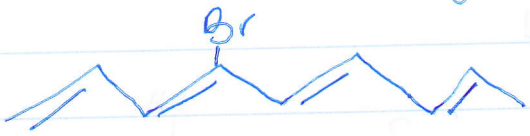
4. 

5. 

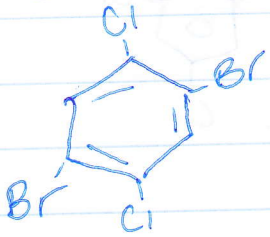
Draw the Following

1. P-Chlorobenzaldehyde
2. P-diisobutylbenzene
3. 1,2,4,5-tetrapropylbenzene
4. 4-Sec-butyl-5-ethyl-2,2-dimethyl-3-phenylheptane
5. 3-Bromo-2,4-dinitrophenol

Are the Following Aromatic? Why?

1. 

2 

3 

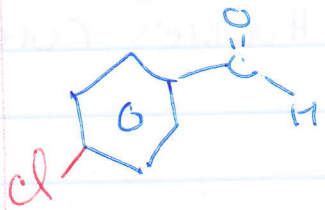
#3

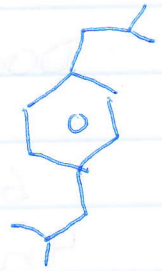
Answers:

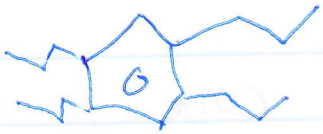
Name

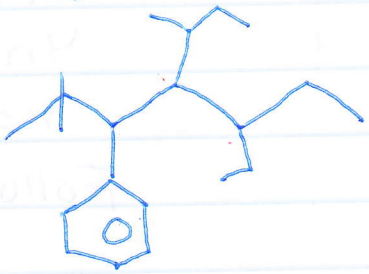
1. ~~1~~ 4-chloro-~~3,4~~ 1,2- dimethylbenzene
2. 3,5-diethylphenol
3. 3-bromoacetophenone
4. 2,4,6-trichlorophenol
5. 5-bromo-4-ethyl-3-isopropyl-1-phenylheptane

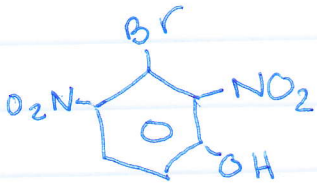
Draw

1. 

2. 

3 

4. 

5 

Aromatic Ans.

1. NO, not Cyclic

2 no. 8π

$4n + 2 = 8$

$4n = 6$

$n = \frac{3}{2}$ not an integer

Does not follow Huckle's rule

3 Yes 6π

$4n + 2 = 6$

$4n = 4$

$n = 1$

Follows Huckle's rule