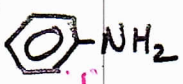
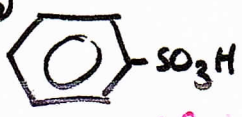
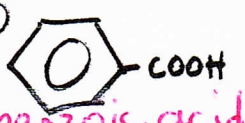
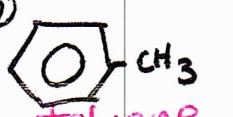
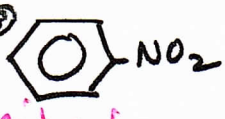
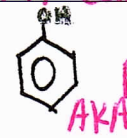
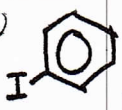
Name _____ Period___

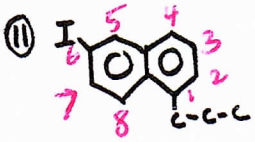
Review Sheet for Test #1 Chap 4 Naming/Drawing Aromatics

1. Which position(s) is/are para to X?

Name the following using their COMMON names: (Except for #10 which doesn't have a common name)

2.  acetophenone	 styrene	4.  aniline AKA aminobenzene
5.  benzenesulfonic acid	6.  benzoic acid AKA carboxy benzene	7.  toluene AKA methyl benzene
8.  nitro benzene	9.  phenol AKA hydroxybenzene	10.  iodobenzene

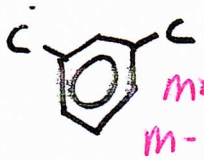
Name the following:

11. 

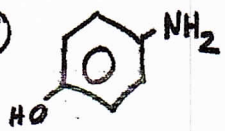
1-propyl-6-iodo napthalene

Name Each of the following at least TWO different ways

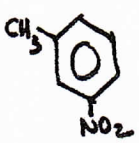
- For both ways still use o,p,m

12. 

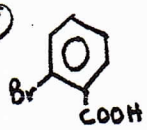
m-xylene
m-methyl toluene
m-dimethyl benzene

14. 

p-aminophenol
p-hydroxy aniline
p-amino hydroxy benzene

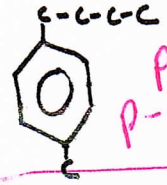
13. 

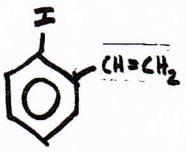
m-nitro toluene
m-methylnitro benzene

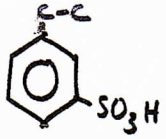
15. 

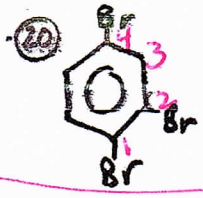
o-bromobenzoic acid
o-bromocarboxy benzene

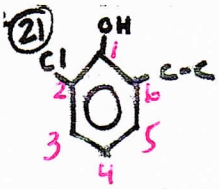
Name the following:

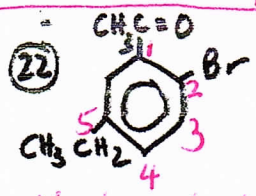
(16) 
p-butyltoluene
p-butyl methyl benzene

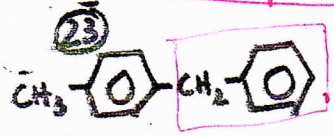
(17) 
o-iodostyrene

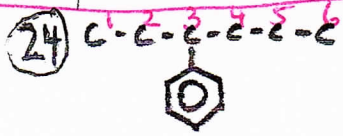
(18) 
m-ethyl benzene sulfonic acid

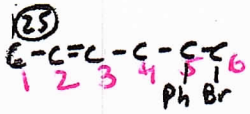
(20) 
1,2,4-tribromo benzene

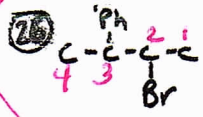
(21) 
2-chloro-6-ethyl phenol
or 1-chloro-3-ethyl-2-hydroxy benzene

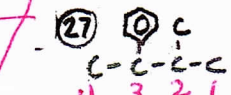
(22) 
2-bromo-5-ethyl acetophenone

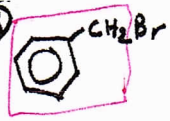
(23) 
p-benzyl toluene
p-benzyl methyl benzene

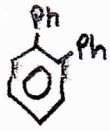
(24) 
3-phenylhexane
or (1-ethylbutyl) benzene

(23) 
6-bromo-5-phenyl-2-hexene

(26) 
2-bromo-3-phenyl butane

(27) 
2-methyl-3-phenylbutane

(28) 
benzyl bromide
bromo phenyl methane

(29) 
o-diphenyl benzene

30. Which of the following represents more than 1 compound? Why?

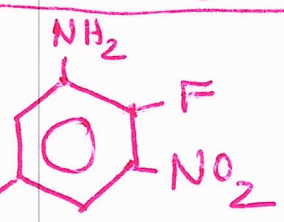
- 2-iodostyrene
- Iodostyrene → could be o, p, or m & all are different molecules
- o-iodotyrene
- m-iodostyrene

31. Which of the following names can represent more than 1 compound?

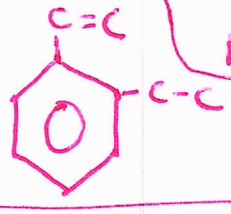
A. o-bromoiodobenzene
B. benzoic acid
C. chloroethylbenzene → don't know what #'s the Cl- & C_2H_5- are on
D. 2-nitro-4-propyltoluene

32. Draw the structures for the following:

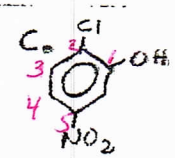
A. 2,5-difluoro-3-nitroaniline

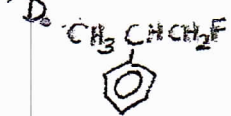


B. o-ethylstyrene



33. Name the following:


2-chloro-5-nitrophenol
or 1-chloro-2-hydroxy-5-nitrophenol

D. 
1-fluoro-2-phenylpropane