

## Chemguide – questions

### NAMING ORGANIC COMPOUNDS: 3 (aromatic compounds)

Unlike the earlier questions on naming organic compounds, these questions are just an unsorted mixture of the various types of aromatic compounds, some of which you may not have come across yet. Start by checking that you can do all those which involve groups that you know about, and then see what you can make of the others.

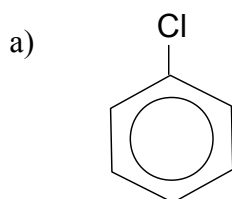
It would be a good idea to come back to this again when you have finished all the aromatic chemistry that is on your syllabus.

1. In this question, you should use the hexagon with a circle inside it as the symbol for the benzene ring.

Draw the structures for the following compounds :

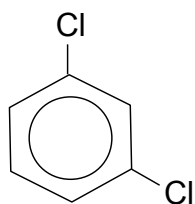
- a) bromobenzene
- b) 1,4-dibromobenzene
- c) phenylamine
- d) phenol
- e) methylbenzene
- f) 2,4-dichloromethylbenzene
- g) (dichloromethyl)benzene
- h) 1,3,5-trimethylbenzene
- i) benzoic acid
- j) methyl benzoate
- k) nitrobenzene
- l) TNT – 2,4,6-trinitrotoluene. Toluene is the old name for methylbenzene.

2. Name the following compounds:

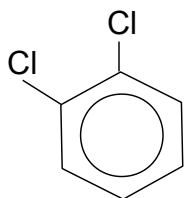


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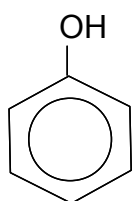
b)



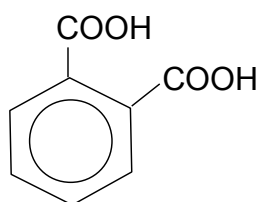
c)



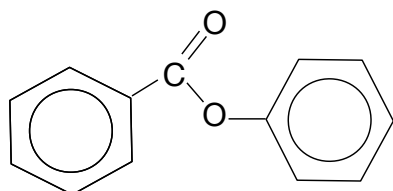
d)



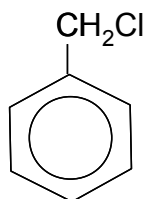
e)



f)



g)



h)

