

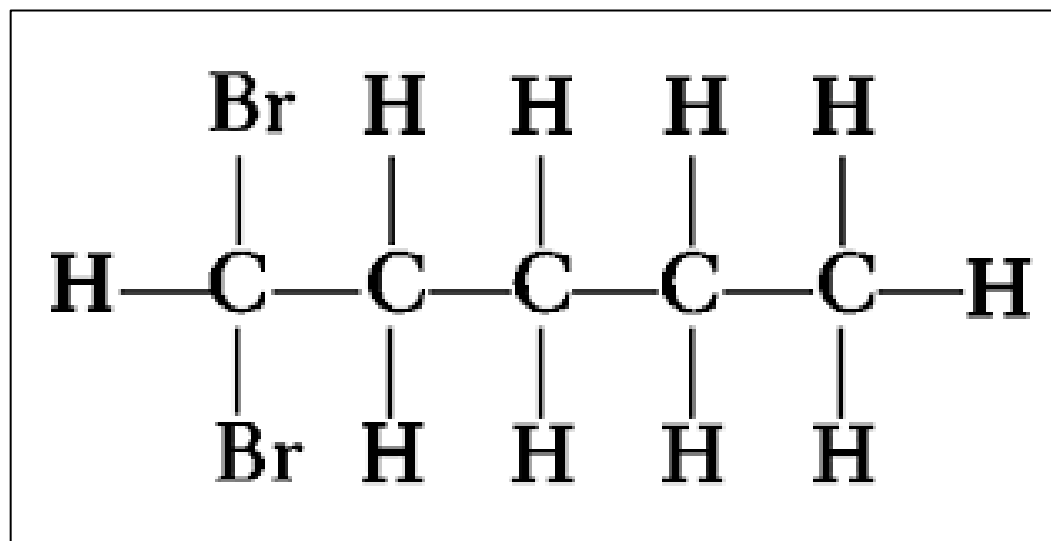
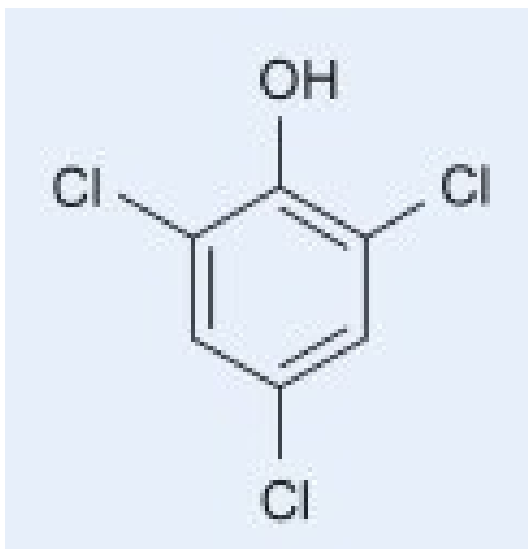
## Organic compounds containing halogens

### Halocarbons:

- These are organic compounds that contain a **halogen** substituent.

**NOTE:** **Halogens** are the elements in Group 17 of the periodic table.

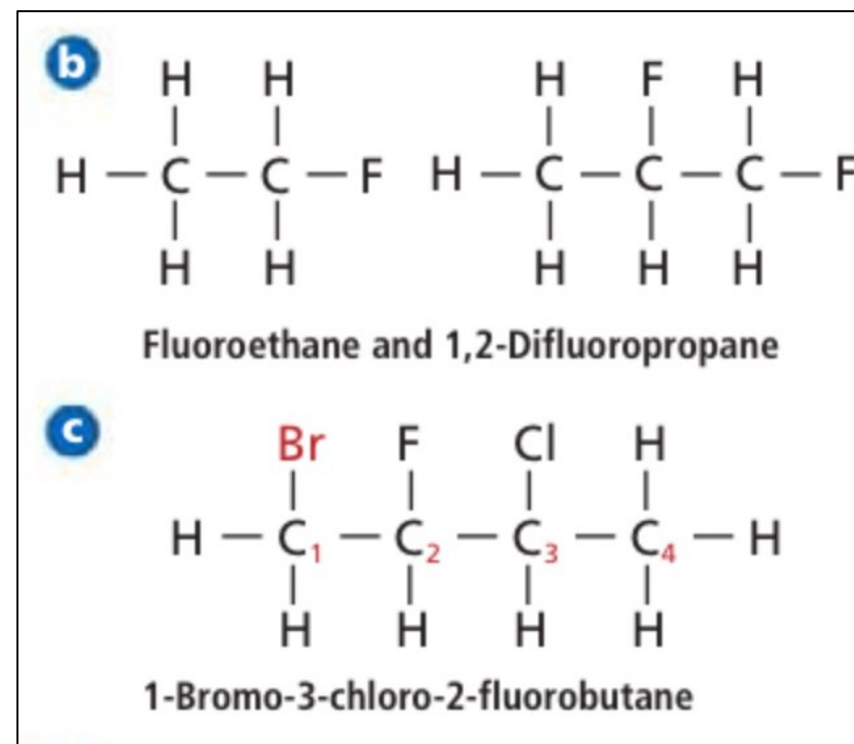
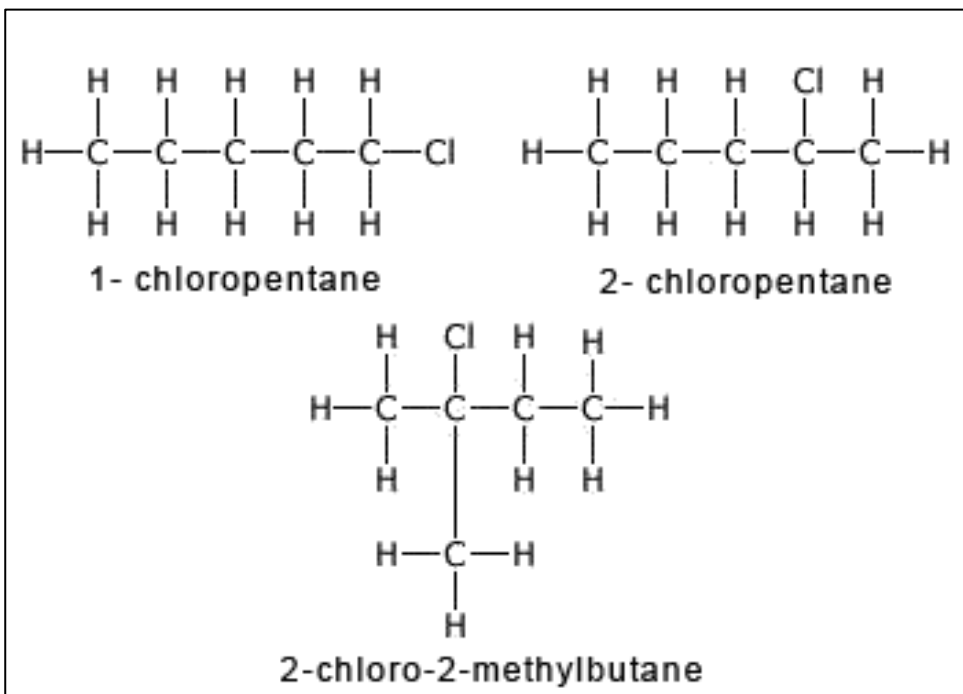
- There are 2: Alkyl halides and Aryl halides



## Organic compounds containing halogens

### 1. Alkyl halide:

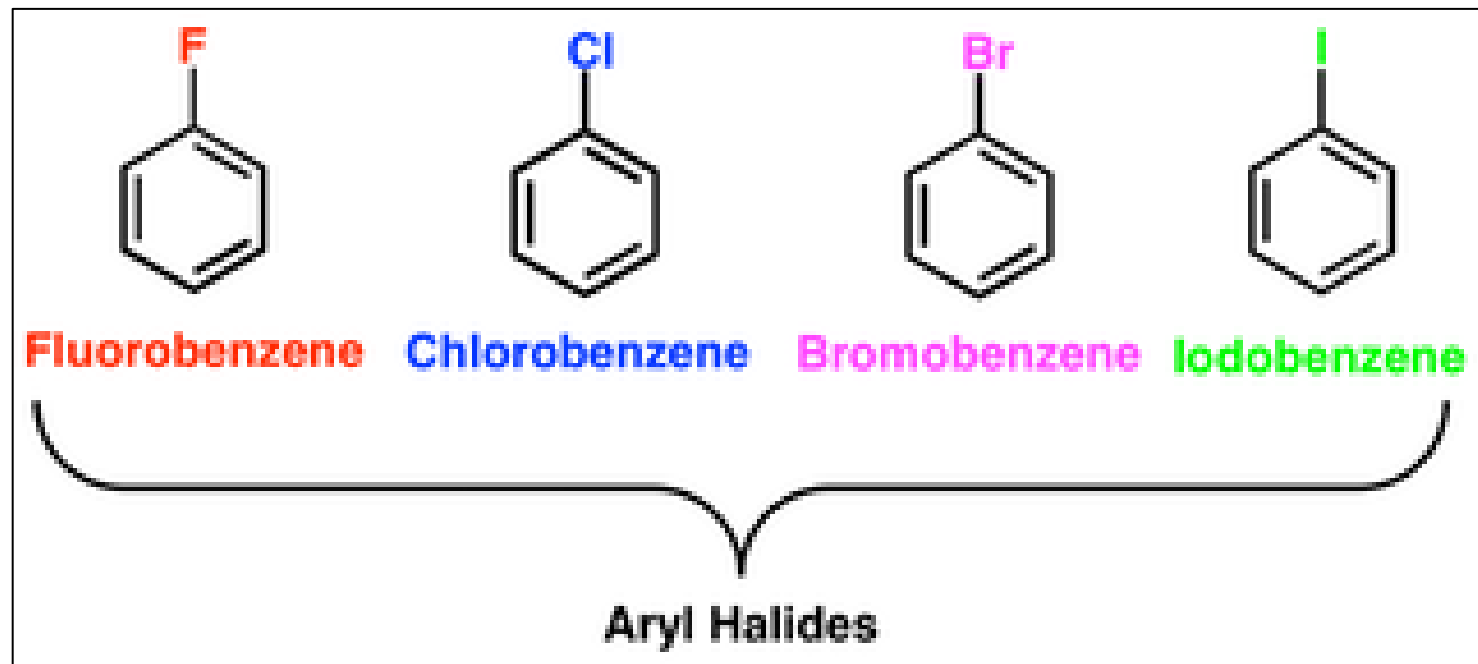
An **aliphatic** compound that has a halogen covalently bonded to one or more of its carbon atoms.



## Organic compounds containing halogens

### 2. Aryl halides:

These are **aromatic compounds** that have one or more halogens bonded to them.

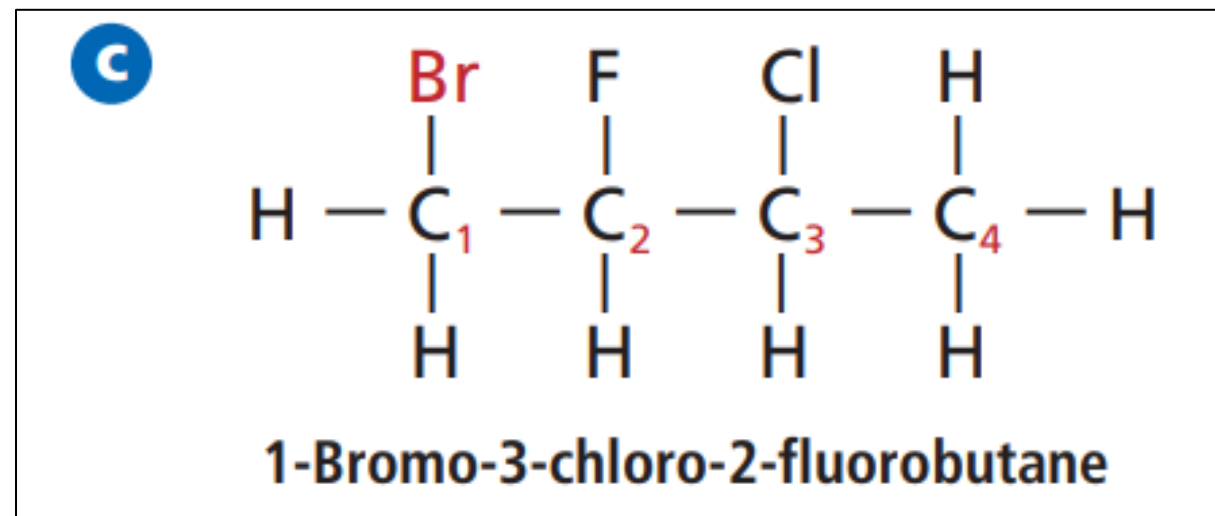
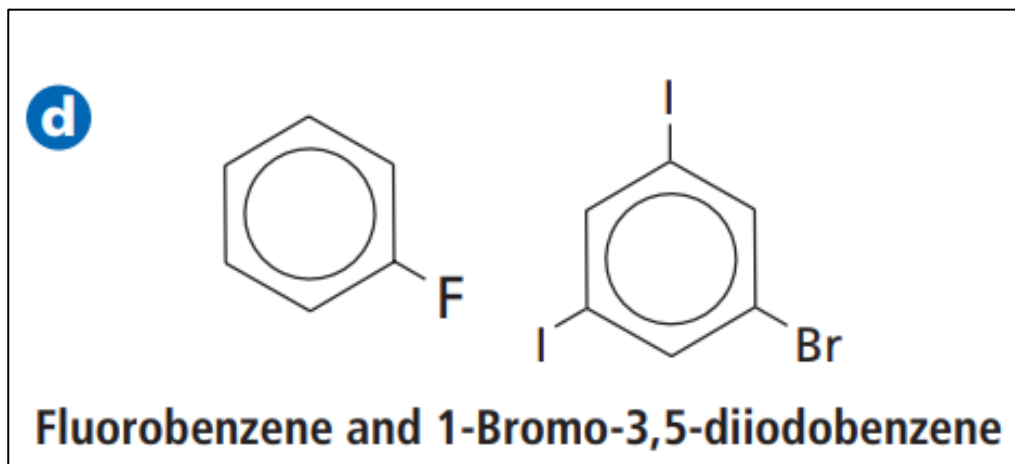


# ALKYL HALIDES AND ARYL HALIDES

L.O 2:  
To name halocarbons

## Naming halocarbons:

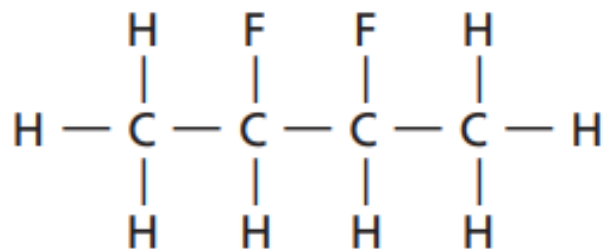
- The longest continuous chain is the **parent chain** (which is the benzene ring for aryl halides).
- If there are more than one halogen atom, the **lowest** possible numbers is given to the one that **comes first** in the alphabet.
- They are named alphabetically.



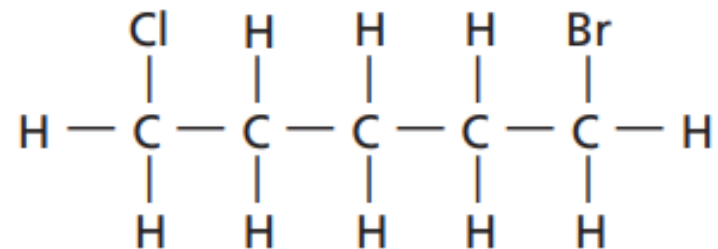
Answer all (Naming halocarbons):

Name the alkyl or aryl halide whose structure is shown.

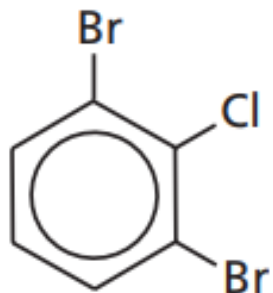
1.



2.



3.



10 minutes

