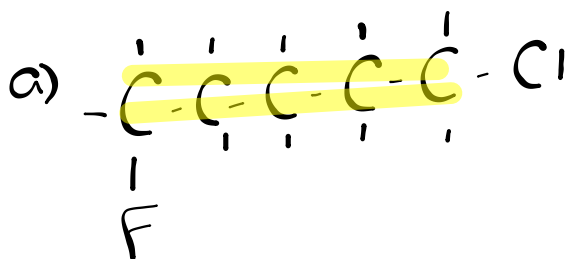
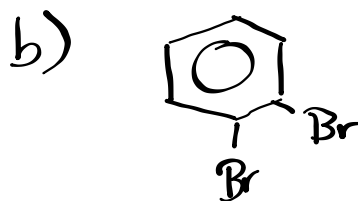


Warm Up

Name the following compounds:

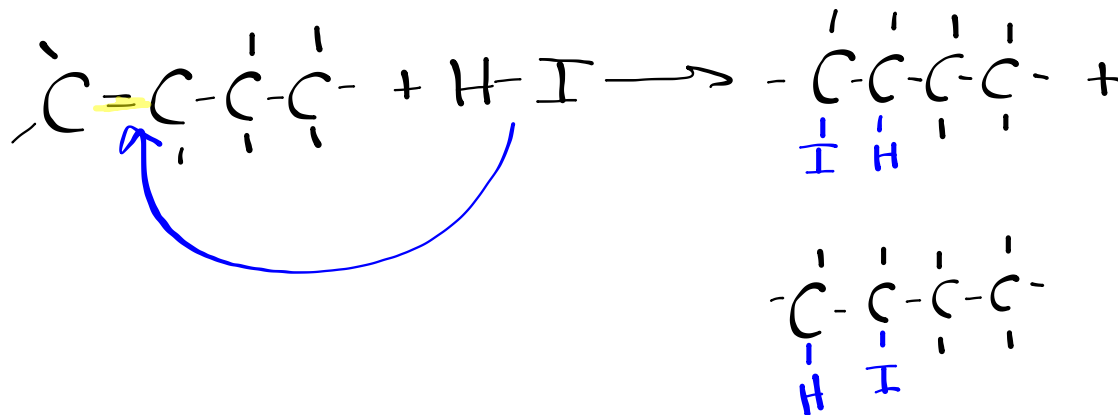


1-chloro-5-fluoropentane



1,2-dibromobenzene
ortho-dibromobenzene

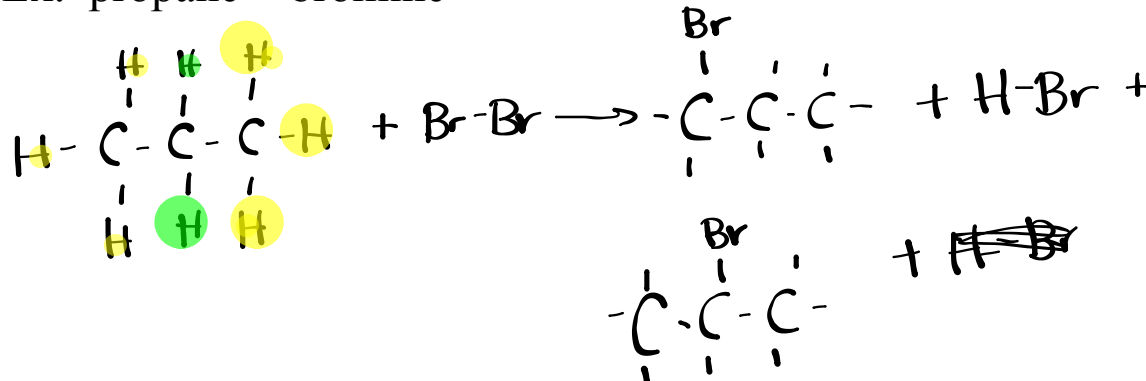
c) 1-butene + hydrogen iodide \longrightarrow 1-iodobutane + 2-iodobutane



SUBSTITUTION REACTIONS - carbon-hydrogen (sigma bonds) are broken and the hydrogen is replaced with another functional group.

- very difficult reaction; usually occurs in the presence of light

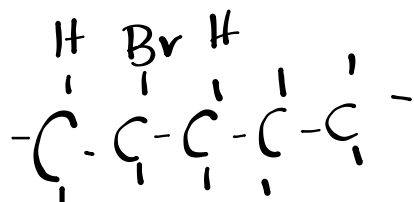
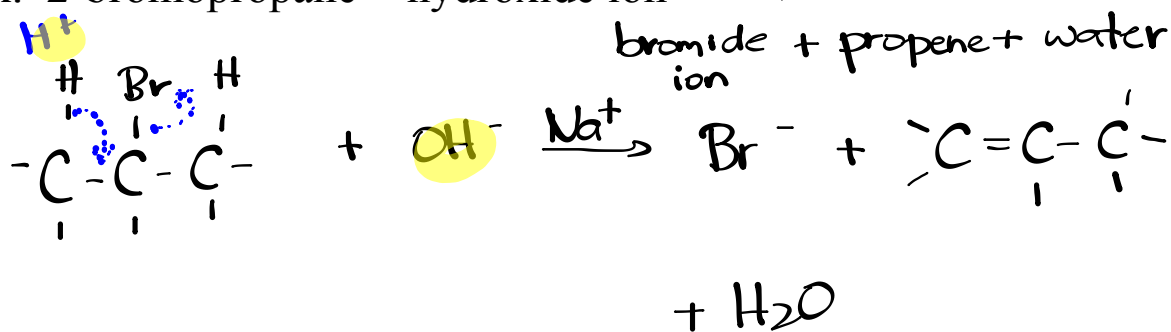
Ex. propane + bromine \longrightarrow



benzene + chlorine

ELIMINATION REACTIONS - carbon-hydrogen and carbon-halide sigma bonds are broken and a multiple bond (pi bond) forms
 - common method of preparing alkenes

Ex. 2-bromopropane + hydroxide ion \longrightarrow



Homework

Worksheet