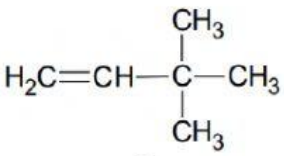
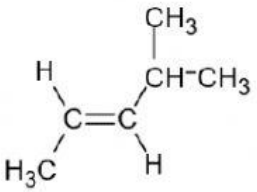
Name: _____ Set:_____

Isomerism

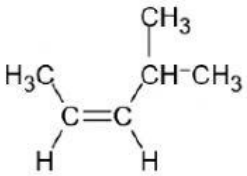
1. The compounds below show the possible isomers of C_6H_{12} which contain a double bond.



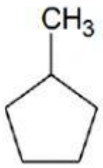
A



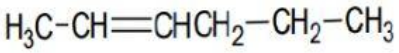
B



C



D



E

(a) Select which isomer is chain isomer. _____

(b) Select which isomer is positional isomer. _____

(c) Select which isomer is functional isomer. _____

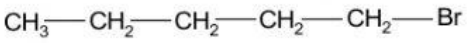
(d) Identify which 2 isomers show stereoisomerism, name the isomers and state the type of stereoisomerism shown.

Isomers: _____

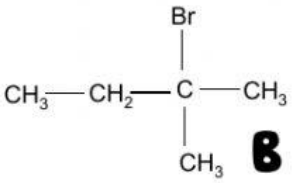
Name of isomers: _____

Type of stereoisomerism: _____

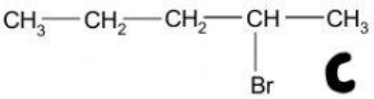
2. The compounds below show the possible isomers of $C_5H_{11}Br$.



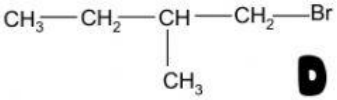
A



B



C



D

(a) Identify two molecules which are chiral. _____

(b) Explain briefly how they could be distinguished.

_____