

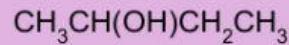
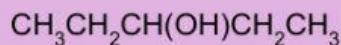
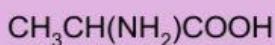
# DEDUCING STRUCTURES OF ORGANIC COMPOUNDS

## (PART 1)

1) This compound is optically active

What is meant by this? \_\_\_\_\_

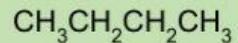
Choose the possible structures of this compound:



2) This hydrocarbon decolorizes purple color of dilute, basic  $\text{KMnO}_4$  and form brown precipitate

What is meant by this? \_\_\_\_\_

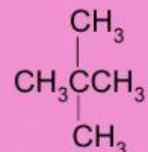
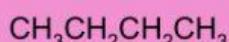
Choose the possible structures of this compound:



3) This hydrocarbon produces monosubstituted product when it undergo bromination in the presence of uv

What is meant by this? \_\_\_\_\_

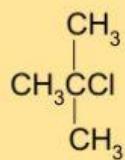
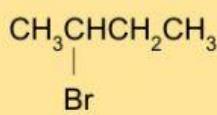
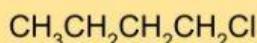
Choose the possible structures of this compound:



4) This haloalkane undergo  $\text{S}_{\text{N}}1$  mechanism with  $\text{NaOH}$

What is meant by this? \_\_\_\_\_

Choose the possible structures of this compound:



5) This haloalkane undergo  $\text{S}_{\text{N}}2$  mechanism with  $\text{NaOH}$

What is meant by this? \_\_\_\_\_

Choose the possible structures of this compound:

