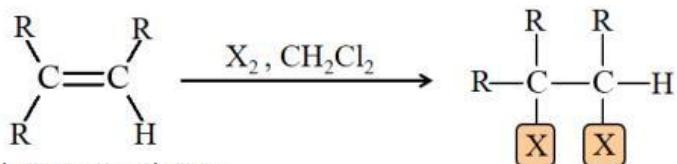


# REACTIONS OF ALKENES

## HALOGENATION IN INERT SOLVENT

Addition of  $X_2$  to the carbon-carbon double bond of alkene.



R = Alkyl group X = Cl @ Br

Reagent & Conditions :  $\text{X}_2$ ,  $\text{CH}_2\text{Cl}_2$  (  $\text{Cl}_2$  @  $\text{Br}_2$  )

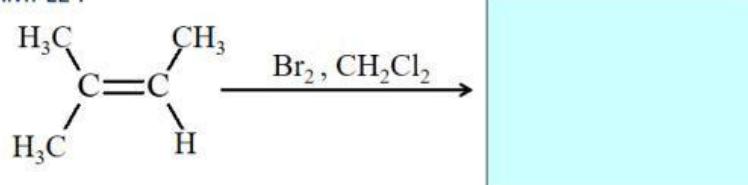
Type of reactions : \_\_\_\_\_

Name of test (using  $\text{Br}_2$ ) : \_\_\_\_\_

Observation :

Rule : X is added to both carbon-carbon double bond without changing its carbon chain.

EXAMPLE :



CHOOSE THE CORRECT ANSWER :

NUCLEOPHILIC ADDITION

ELECTROPHILIC ADDITION

ELIMINATION

TEST OF BROMINE

BAEYER'S TEST

Yellow colour decolourised

Reddish brown colour decolourised

Yellowish brown colour decolourised

