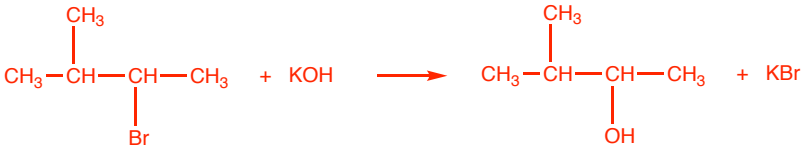
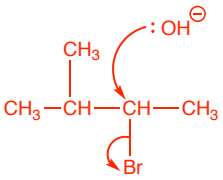
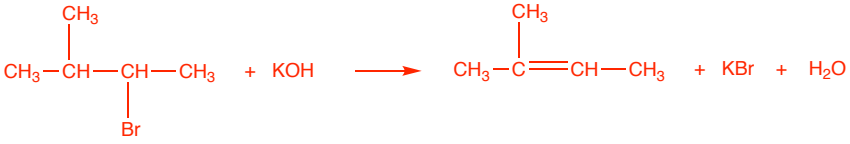
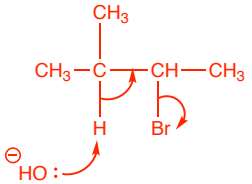
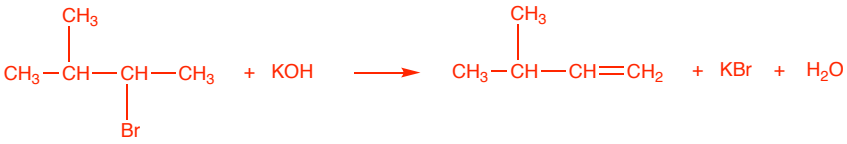
HALOGENOALKANES (B)

The halogenoalkane 2-bromo-3-methylbutane reacts with hot ethanolic potassium hydroxide to form a mixture of two alkenes and an alcohol.

For the formation of each product, write a balanced equation, state the role of the hydroxide ions, name and draw the mechanism.

Alcohol	*balanced equation*	
	role of hydroxide ion	nucleophile
	mechanism name	nucleophilic substitution
	mechanism	

Alkene 1	*balanced equation*	
	role of hydroxide ion	base
	mechanism name	elimination
	mechanism	

Alkene 2	*balanced equation*	
	role of hydroxide ion	base
	mechanism name	elimination
	mechanism