• Give the mechanism of the reaction that occurs when 1-methylcyclohexene is converted to 1-bromo-1-methylcyclohexane by the addition of HBr. Give the structure of the intermediate carbocation that is formed and indicate (with curly arrows) all the bonding changes that occur.

Marks 3

$$H \longrightarrow H$$
 $H \longrightarrow H$
 $H \longrightarrow$