Alkene 1

Instruction:
Write reagent, condition or compound (condensed structure) at MISSING spaces.

$H_3C-HC(Cl)-CH_3 \longrightarrow$

$\xrightarrow[\Delta]{conc.H_2SO_4}$ $H_3C-CH=CH_2$

- $\longrightarrow H_3C-CH_2-CH_3$
- $\longrightarrow H_3C-HC(Br)-CH_2Br$
- $\xrightarrow{Br_2,\ H_2O}$
- $\xrightarrow[reflux]{H_2O,\ H^+}$
- $\longrightarrow H_3C-HC(Br)-CH_3$
- $\longrightarrow H_3C-CH_2-CH_2Br$
- $\xrightarrow[cold]{KMnO_4,\ OH^-}$
- $\xrightarrow[\Delta]{KMnO_4,\ H^+}$
- $\longrightarrow H_3C-C(=O)-CH_2-CH_2-CH_3$

LIVEWORKSHEETS