- **1** Give the structure of the following compounds
  - a- Cis-But-2-ene
  - b- Halothane
  - c- 3-Chloropent-2-ene
- **2** Complete the following equations:

CH<sub>3</sub>-CH<sub>2</sub>-CI <u>KOH alc.</u>

- **3** Give the reaction mechanism of the above reaction:
- 4- Give the name of the following compounds

$$\begin{array}{cccc} c_{I} & c_{I} \\ c_{I} & -c_{H} \\ c_{I} & c_{I} \\ c_{I} & c_{I} \end{array}, \quad CHI_{3}, \quad HC \equiv c\overline{\phantom{a}} : \operatorname{Na}^{+}$$

**5**- Choose true or false  $(\checkmark)$  or (X)

Alkanes react by addition reactions ( ).

6- Write by equations the Würtz reaction.