

# Reactions of alkenes

Pre-lesson assignment – see page 207-210

## Make notes on the reactions of alkenes

1. State the reagents (chemicals) and conditions (temperature, pressure) required to hydrogenate an alkene
2. Write a balanced equation using displayed formula for the hydrogenation of propene
3. State the reagents and conditions required to halogenate an alkene using...
  - a. Halogens
  - b. Hydrogen halides
4. Write a balanced equation, showing all possible products, for the reaction between propene and...
  - a.  $\text{Br}_2$
  - b.  $\text{HBr}$
5. Identify the major product in the above reaction.
6. State the reagents and conditions for Hydration of alkenes.
7. Write a balanced equation for the hydration of propene.