

# All about Acids

Pre-lesson assignment – textbook p310-314

## Define the following terms

- Brønsted-Lowry acid
- Brønsted-Lowry base
- Conjugate acid
- Conjugate base
- Acid-base pair
- Monobasic acid
- Dibasic acid
- Tribasic acid

## Make notes on Brønsted-Lowry acids and bases.

Use the following questions as guidance:

1. Give a brief description of Arrhenius' model of acids and bases (we use this at GCSE)
2. Give a brief description of Brønsted & Lowry's model of acids
3. Using examples of common acids, show at least three conjugate acid-base pairs
4. Show how the hydronium ion ( $\text{H}_3\text{O}^+$ ) behaves as a Brønsted-Lowry acid.
5. Write an ionic equation for the neutralisation of hydrochloric acid with magnesium.
6. Write an ionic equation for the neutralisation of copper carbonate with acid.
7. Write an ionic equation for the reaction of acid and magnesium oxide.