

# Covalent Bonding – The Basics

Pre-lesson assignment- textbook page 63-64 and 66

## Define the following terms

- Covalent Bond
- Molecule

## Make notes on enthalpy changes

*Use the following questions as guidance*

1. Describe the nature of a covalent bond in detail. A diagram may help with this.
2. Draw dot and cross diagrams of...
  - a.  $\text{H}_2$
  - b.  $\text{H}_2\text{O}$
  - c.  $\text{NH}_3$
  - d.  $\text{CH}_4$
  - e.  $\text{O}_2$
  - f.  $\text{N}_2$
  - g.  $\text{CO}_2$
  - h.  $\text{HCN}$