

## **IGCSE Chemistry (9-1) Specification 1(a)**

### **(a) States of matter**

#### **Students should:**

**1.1** understand the three states of matter in terms of the arrangement, movement and energy of the particles

**1.2** understand the interconversions between the three states of matter in terms of:

- the names of the interconversions
- how they are achieved
- the changes in arrangement, movement and energy of the particles.

**1.3** understand how the results of experiments involving the dilution of coloured solutions and diffusion of gases can be explained

**1.4** know what is meant by the terms:

- solvent
- solute
- solution
- saturated solution

**1.5C** know what is meant by the term solubility in the units g per 100 g of solvent

**1.6C** understand how to plot and interpret solubility curves

**1.7C** practical: investigate the solubility of a solid in water at a specific temperature