



## 3.1 CHEMICAL MEASUREMENTS, CONSERVATION OF MASS AND THE QUANTITATIVE INTERPRETATION OF CHEMICAL EQUATIONS

Relative atomic mass is the larger number found on the periodic table (mass number)

Add together the relative atomic masses of all the atoms in the molecular formula

**Relative formula mass, Mr**

Percentage mass of an element in a compound

$$\frac{A_r \times \text{number of atoms of that element}}{M_r \text{ of the compound}} \times 100$$

**Uncertainty**

Amount of error a measurement may have

Errors in measuring equipment

Random errors

$$\text{Uncertainty} = \frac{\text{Range}}{2}$$

Shown using  $\pm$  symbol

**AQA**

