

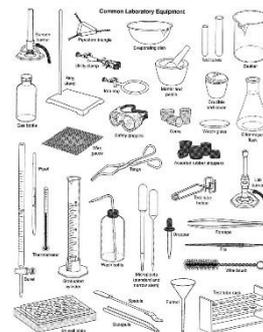
## Triple Unit Overview – C3 Chemical quantities and calculations

### You will learn about:

- The conservation of mass and relative formula mass.
- Moles and the amount of substances in equations.

### You will be able to:

- Calculate relative formula mass and moles.



Key learning points		<p style="text-align: center;"><b>Key Words</b></p> <p><b>Moles</b>  <b>Relative Atomic Mass</b>  <b>Relative Formula Mass</b>  <b>Avogadro Constant</b>  <b>Atomic mass</b>  <b>Conservation of mass</b>  <b>Atomic number</b></p>
Conservation of mass		
Relative formula mass		
Mass changes of gases in reactions		
Moles		
Amount of substances in equations		
Limiting reactants		
Moles in solutions		
Percentage yield		
Atom economy		
Titration		
Volumes of gases		
<p><b>Links to other subjects:</b></p> <p><b>SMSC:</b> Understand and appreciate the impacts of human development on the environment and describe the effects that this is having.</p> <p><b>Literacy:</b> Describe observations in practical work. Explain the development of periodic table and the structure of the atom. Describe how reactivity and trends are linked to position in the periodic table.</p> <p><b>Numeracy:</b> Use decimal and standard form, make simple calculations, use appropriate significant figures, construct tables and histograms, visualise and represent models in a 2D form and change the subject of an equation.</p>		