Write the chemical formulae of the following substances:
Methane
Water
Sodium chloride
Magnesium chloride

Explain what conservation of mass is

C3 Chemical Reactions

C3.1 Introducing Chemical Reactions

Write word and symbol equations for the following reactions:

Combustion of hydrogen

Combustion of methane

Describe the test for carbon dioxide

Describe the test for oxygen

Describe the test for chlorine

Describe the test for hydrogen

Use conservation of mass to calculate how much water is produced when 5g of hydrogen burns in oxygen.

What is the formula for calculating concentration of a solution: In mol/dm^3?

In g/dm^3?

What is the definition of a mole?

Draw a formula triangle connecting moles, mass and relative formula mass

Use this to calculate:
The mass of 0.25 moles of methane

The relative formula mass of a compound if 4 moles weigh 360g

The number of moles of sodium chloride in 1g

Keywords