

Hazard symbols



explosive



flammable



oxidising



Compressed
gas



corrosive



toxic



General
warning



irritant



hazardous

Measuring in Science

These are the standard units we use in science.

Quantity being measured	Name of unit	Symbol
length	metre	m
mass	kilogram	kg
time	second	s
force	Newton	N
temperature	degrees Celsius	°C
speed	metres per second	m/s
area	square metres	m ²
volume	cubic metres	m ³

Variables in Science

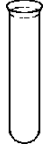
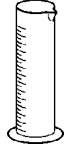

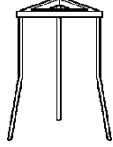

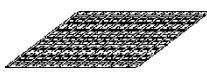
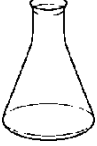
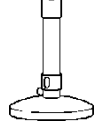

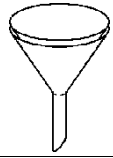





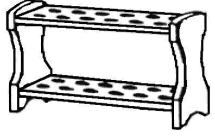


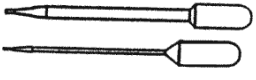



Independent variable – The variable that you change.

Dependent variable – The variable that you measure.

Control variable – The variable that you keep the same.

Equipment

Here is some common equipment used in science lessons. You will need to be able to use this equipment properly.

Equipment	Name	Equipment	Name
	Test tube		Measuring cylinder
	Boiling tube		Tripod
	Beaker		Gauze
	Conical flask (i.e. cone-shaped)		Bunsen burner
	Crucible		Filter funnel (with paper)
	Tongs		Test tube holders
	Mortar and pestle		Thermometer
	Pipe clay triangle		Test tube holder
	Stand boss and clamp		Balance
	Dropping pipette		Evaporating basin
	Glass rod		Spatula

Standard Equipment Drawings

There are standard symbols for each of the equipment shown above.

The diagrams below show some apparatus along with their symbols and uses.



1. Bunsen Burner
Heating things



3. Heatproof Mat
Standing the Bunsen on



2. Test-tube
Holding chemicals



4. Goggles
Protecting eyes



5. Tripod
Holding things over a
Bunsen



7. Beaker
Holding larger volumes of
chemicals



6. Measuring Cylinder
Measuring volume



8. Gauze Mat
Standing things on a tripod



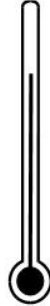
9. Evaporating Dish
Evaporating liquids



11. Conical flask
Collecting, mixing
and storing
chemicals



10. Thermometer
Measuring temperature



**12. Boss, clamp
and stand**
Attaches to and
holds other pieces of
equipment



13. Funnel
Channel liquid into a
small opening