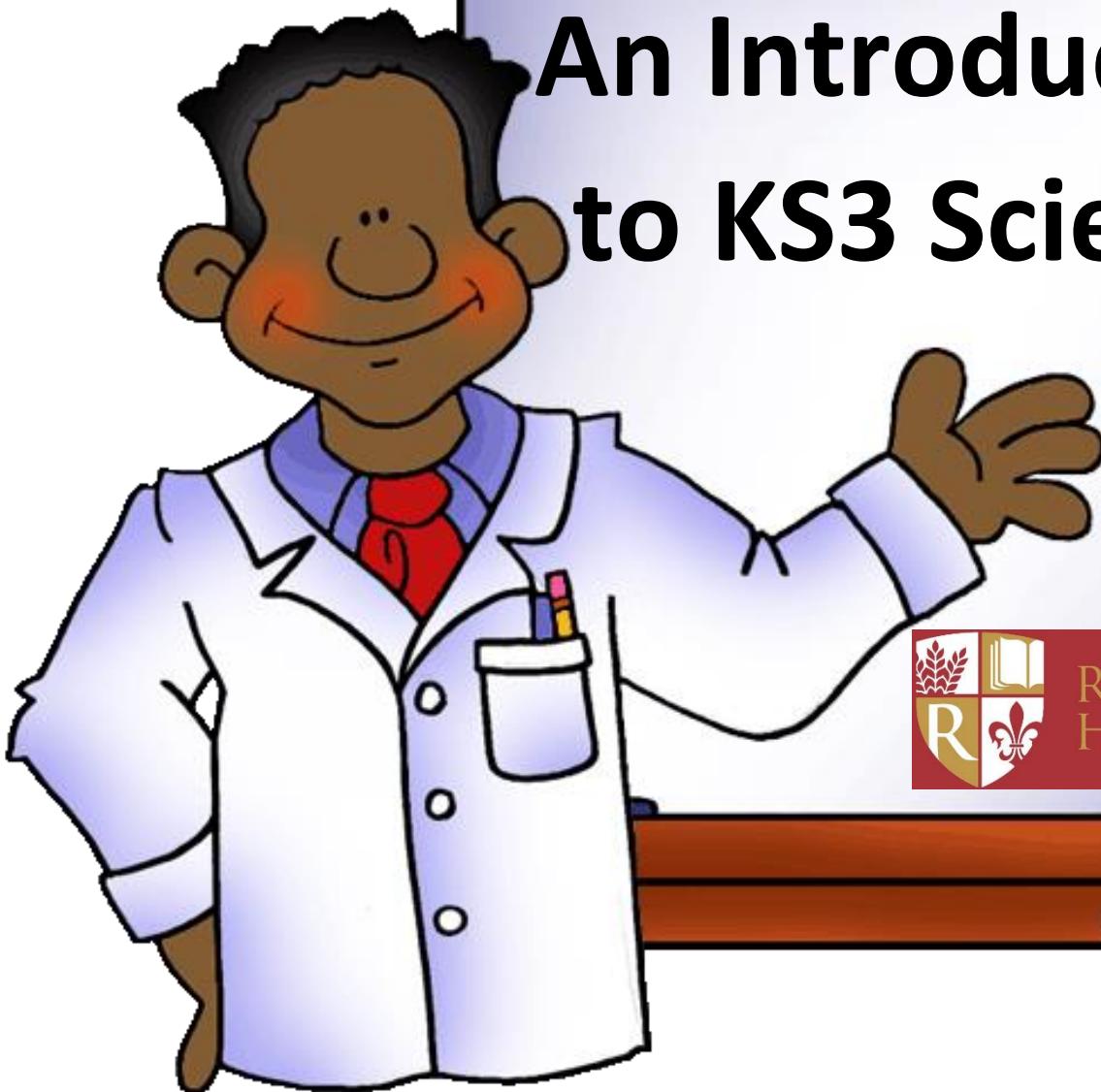


An Introduction to KS3 Science



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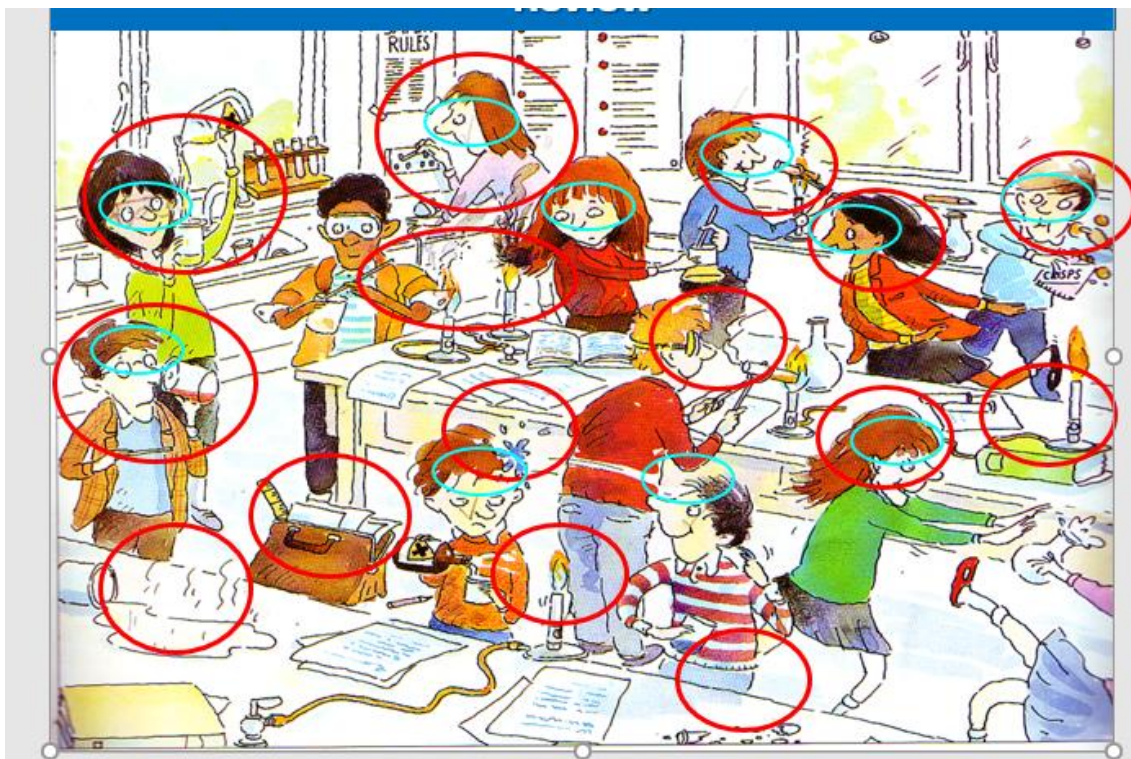
Mark Scheme



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An Introduction to Science Mark Scheme

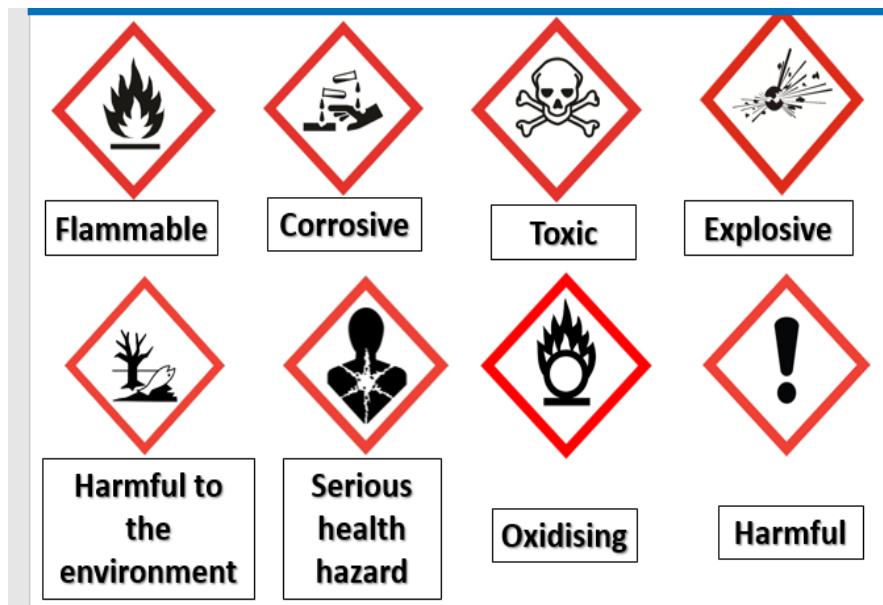
Safety in the Lab!



10 Lab safety rules (in any order)

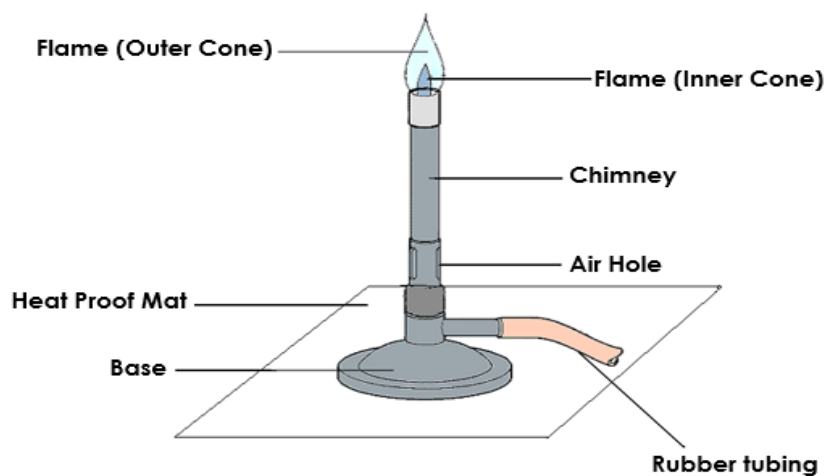
- Walk don't run
- Stand during carrying out a practical
- Tie hair back
- Wear safety goggles
- Don't eat or drink in the Lab
- Put the Bunsen burner on a safety flame when not in use
- Don't carryout experiments on the edge of the bench
- Don't pour chemicals above head height
- Clean up spillages
- Keep your eye on your experiment
- Any other reasonable instructions

Hazard Symbols!





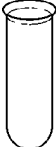
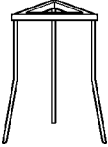
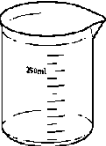
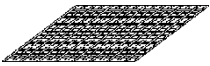

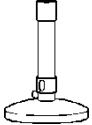

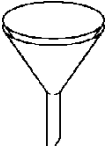
	a) A liquid fuel used to start off a barbecue	Flammable	
	b) A weed killer that if ingested could kill and can make fires burn faster	Toxic, oxidising	
	c) A solid that 'melts away at' the hair and fats that block drains	Corrosive	
	d) Fireworks	Explosive	
	e) A solid added to washing machines (to stop dirt forming) can cause itchy skin	harmful	
	f) A cleaner not strong enough to kill but can cause Bad effects on health for example cancer and asthma	Serious health hazard	

Using a Bunsen Burner!



	Air hole open	Air hole half-open	Air hole closed
Type of Flame	Roaring Flame	Blue Flame	Safety Flame
When do we need to use this flame?	To heat things fast	To heat things slowly	When we are not using the Bunsen but want to keep it on.

Science Lab Equipment!

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)

Planning investigations and Variables!

Independent Variable	Length of rope
Dependent Variable	Number of skips
Control Variable	Time of 10 Minutes

Drawing a graph marking criteria

Criteria	Description
Presentation	A sharp pencil and ruler is used to draw.
Axes	The independent variable is along the x axis and the dependent variable is up the y axis.
Axes	The axes are both labelled clearly.
Axes	The units are shown clearly on both axes.
Scales	The graph fills at least 2/3rds of the space available.
Scales	The scales are evenly spread along the axes.
Points / plots	All points are plotted accurately to within +/- 1 mm.
Title	The graph has an appropriate title that is underlined.
Bars	All bars are the same width apart.