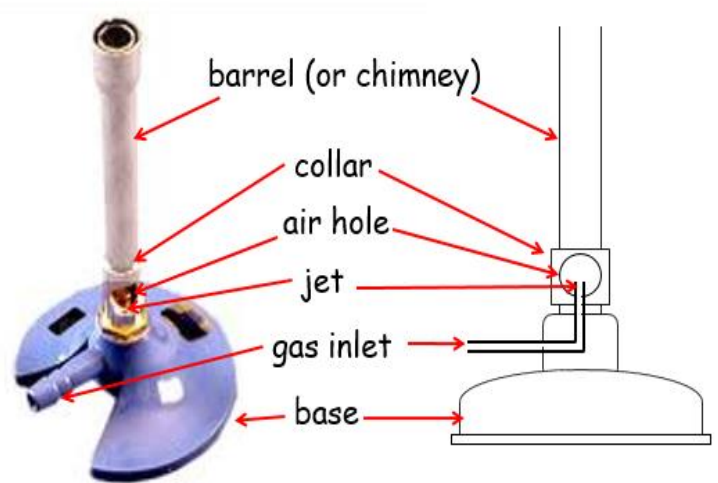


| 1. Key Terms | | |
|--------------|------------------|---|
| 1 | Corrosive | A substance which damages or destroys materials it comes into contact with |
| 2 | Toxic | A substance which can poison you |
| 3 | Hazard | A possible source of harm in the lab e.g. boiling water |
| 4 | Risk | The chance that a person will be harmed or experience an adverse health effect if exposed to a hazard. |
| 5 | Variable | Something which may change in an experiment |
| 6 | Continuous data | Information which is not limited to separate values and can have an unlimited range of numbers. For example, the heights of every pupil in the class. |
| 7 | Categorical data | Information which is limited to separate 'discrete' values which cannot be broken down. For example, the eye colours of all the pupils in the class. |

| 2.) Command words | | |
|-------------------|----------|--|
| 1 | Select | To choose something |
| 2 | Discuss | Write information that you consider relevant about, often giving different points of view (for example 'discuss' advantages and disadvantages) |
| 3 | Evaluate | Decide on the worth, value or effectiveness of something |

3.) Parts of a Bunsen burner



A Bunsen burner works by the ignition (lighting) of methane gas that enters via the gas inlet.

A Bunsen burner should always be set to the safety flame when first lit. The safety flame is orange, and of a lower temperature than the roaring flame (used to heat substances), which is blue, but harder to see.

To set the Bunsen on the safety flame, the air hole should be closed. To change it to the roaring flame, the air hole is opened.

4.) Warning signs used in science laboratories

A row of six diamond-shaped warning signs with red borders. From left to right: 1. Explosive (exploding bomb), 2. Hazardous (exclamation mark), 3. Corrosive (liquid dripping from test tubes onto a hand and a surface), 4. Flammable (flame), 5. Toxic (skull and crossbones), 6. Environmentally damaging (dead tree and fish). Below each sign is its name: Explosive, Hazardous, Corrosive, Flammable, Toxic, Environmentally damaging.

6.) How to plot graphs

A graph on a blue grid. The vertical axis is labeled 'Another variable (its units)' and the horizontal axis is labeled 'A variable (its units)'. The graph has a title 'A meaningful title'. Annotations include: 'On the vertical line (y axis) put the dependent variable. This is what you measured to find out the effect.'; 'You might want to start your title 'A graph to show...''; 'Top tip: A line of best fit does not mean joining the dots. Draw a straight or curved line that 'best fits' the data'; 'Top tip: Look at your results to determine an appropriate scale. Don't go up to 100 if your highest result is 12!'; 'On the horizontal line (x axis) put the independent variable. This is the thing you changed to find out its effect.'