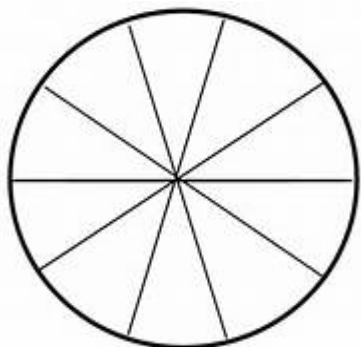


## Worksheet 2.7.1 Understanding our atmosphere

### 1 The atmosphere >

One of the ways of displaying information such as the proportions of different gases in the atmosphere is to use a pie chart. Each gas is allocated a larger or smaller segment according to how large an amount of the atmosphere it represents.



Then draw in the segments of the right size. Label them and if you can use some colour this will help.

### 2 Products of combustion >>

Watch the demonstration showing how a burning candle releases water vapour and carbon dioxide and answer these questions:

- a) Why isn't the candle put in a totally enclosed container to capture all of the gases released?

.....

- b) What is the purpose of the filter pump?

.....

- c) What is the purpose of the cobalt chloride paper?

.....

- d) What indicates a positive result?

.....

- e) What is the purpose of the lime water?

.....

- f) What indicates a positive result?

.....

- g) Write a sentence or two, indicating what this demonstration shows.

.....

.....

## Worksheet 2.7.1 Understanding our atmosphere

### 3 Gases



These sentences provide information about the gases in the atmosphere. Draw lines to match up the start of each sentence with correct endings.

Natural gas, used for cooking...
Oxygen allows plants and animals to respire ...
Argon is an inert gas ...
The amount of water vapour in the atmosphere in a poorly ventilated room ...
Carbon dioxide and methane are both greenhouse gases ...

... but the same amount of methane adds to the effect much more than carbon dioxide
... which means it is difficult to get it to react.
... and fuels to burn
... mainly consists of methane.
... will increase over time if there are a number of people in it.