

3.10 Air

Name:

1. Using the list below, underline which gas is the least abundant in air?

nitrogen *carbon dioxide* *oxygen*

2. Write down two reasons why air is a mixture?

(i) _____

(ii) _____

3. Using the percentages below, complete the following sentence. The percentage of oxygen in air is _____:

41%

61%

21%

11%

4. Using a diagram, describe how you could find out the percentage of oxygen in air.



5. Using the words below complete the sentences to describe the tests for carbon dioxide and water vapour.

cobalt chloride

limewater

pink

milky

blue

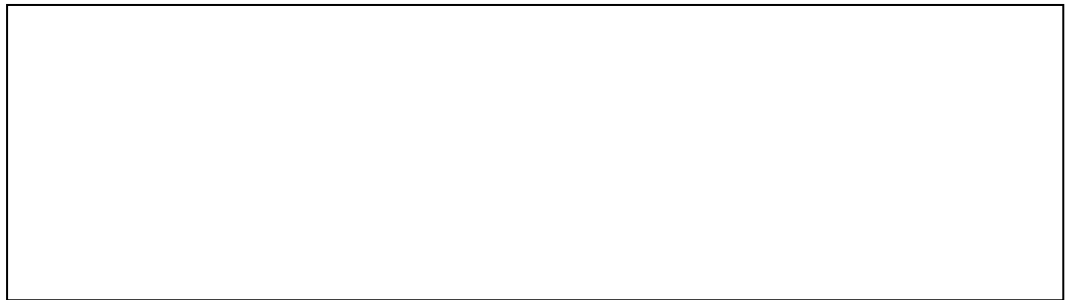
Test for carbon dioxide.

Carbon dioxide turns _____ .

Test for water vapour.

Water turns _____ paper from _____ to _____ .

6. Using a diagram to show your idea, design an experiment to test whether water vapour is produced by a plant.



(a) List what you need:

(b) What measurements will you make?

(c) Predict what will happen in your experiment.

(d) How accurate do you think your method will be?
