

Science

Air

1. Circle the correct answer.

i) Which one of the following gases is used in a **fire extinguisher**?

- A Oxygen.
- B Carbon dioxide.
- C Water vapour.
- D Nitrogen.

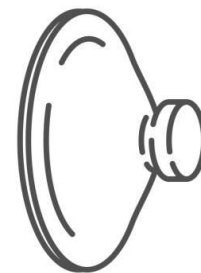


ii) What is the percentage of **oxygen** gas in the atmosphere?

- A 0.01%
- B 0.03%
- C 21.0%
- D 78.1%

iii) A **suction cup** gets stuck to a window pane when pressed because of

- A water.
- B glue.
- C a push.
- D difference in air pressure.



2. The diagram below shows a forest on fire.



i) Which gas is necessary for burning?

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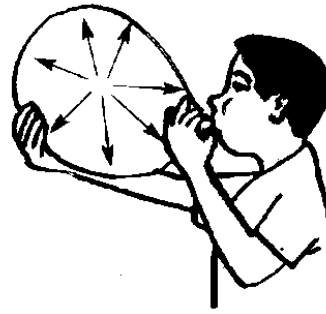
ii) Which gas is produced when the fire is burning?

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iii) What can be done to extinguish this fire?

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3.



(a) Complete the sentences by using the following words:

air pressure, harder, outside, inside, everywhere, gases

i) Air is a mixture of _____.

ii) Air is present _____ on planet Earth.

iii) The balloon becomes _____ as the boy continues blowing air inside it.

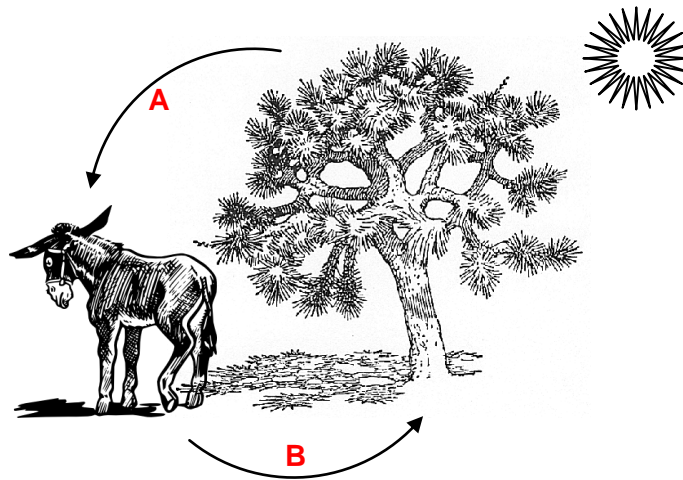
iv) The push of air inside the balloon is known as _____.

v) The balloon finally bursts because the air pressure _____ the balloon is greater than the air pressure _____ the balloon.

(b) Give one use of air pressure.

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4. The figure shows the oxygen and carbon dioxide cycle.



a) Label **A**:

B:

b) Which **gas** is taken in by all living things?

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c) (i) Why do plants need **gas B**?

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(ii) Explain why the oxygen and carbon dioxide cycle is essential for life.

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