

Atmosphere Progress test 2

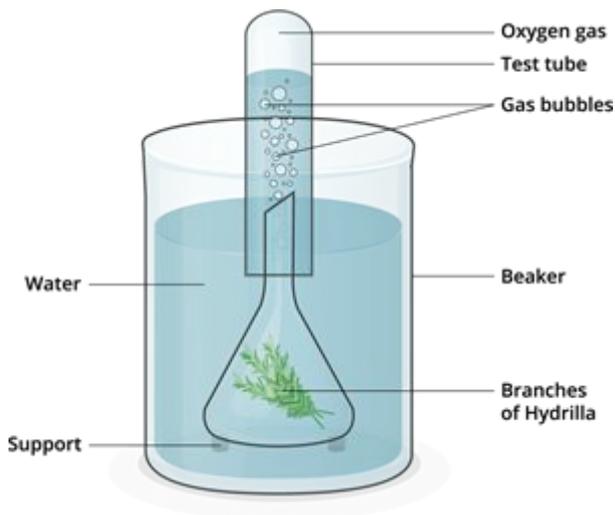
Instructions for students: Follow your teacher's instruction. Also, you can attempt this test online and see your result.



[Solve online](#)

1. Photosynthesis and rusting (8 m.)

Give the procedure to show the release of oxygen from plants.



[View solution](#)

STEP 1:

- A) Take a small tub filled with water
- B) Take a large bowl is filled with water
- C) Take a small healthy Hydrilla branch and place it in a funnel

STEP 2:

- A) Place the lighted candle on the tub
- B) Invert the funnel in a beaker filled with water
- C) The mouth of an empty bottle is dipped into the water-filled bowl

STEP 3:

- A) Take a test tube and invert it over the stem of the funnel
- B) Cover the lighted candle with a transparent glass tumbler
- C) The water does not enter into the bottle

STEP 4:

- A) When the bottle is tilted sideways, the air bubbles came out of the bottle
- B) Place the funnel such that the stem is fully immersed in the water
- C) The candle then got extinguished after some time

STEP 5:

- A) Finally, the water enters into the bottle by occupying the space inside
- B) Keep the beaker setup in the sunlight for some time
- C) Candle extinguished due to the limited amount of gas inside the glass tumbler

Observation:

- A) Increase in the amount of nitrogen in the air
- B) Small air bubbles show the presence of carbon-di-oxide in air
- C) Small air bubbles rise in the test tube showing the presence of oxygen

2. Test for gases in air (6 m.)

Read the statement and select the correct answer:

A)

John placed a mouse on a plate and closed with a glass jar. After some time, the mouse was dead inside the jar due to the

Statement 1: Insufficient amount of oxygen inside the jar.

Statement 2: Insufficient amount of air inside the jar.

- A) Only statement 2 is correct
- B) Both the statement 1 and 2 is correct
- C) Only statement 1 is correct
- D) Both the statement 1 and 2 are wrong

B)

John bought a potato chips packet, from the shop. When he opened the packet he was surprised to see only a few chips filling only half of the packet, and the rest was filled with air. The air inside the packet was

Statement 1: Oxygen which is used to keep the food fresh.

Statement 2: Nitrogen which is used to keep the food fresh.

- A) Only statement 1 is correct
- B) Only statement 2 is correct
- C) Both the statement 1 and 2 is correct
- D) Both the statement 1 and 2 are wrong

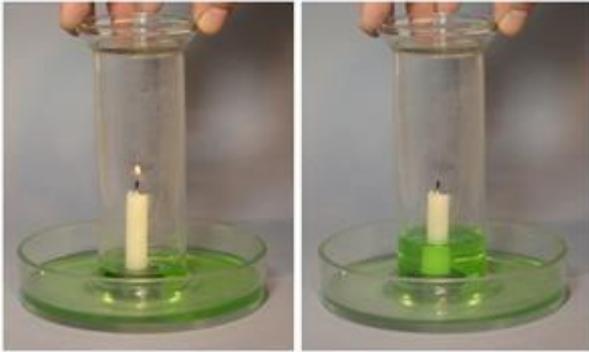


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3. Detection of gases (4 m.)

Choose the best option:

1.

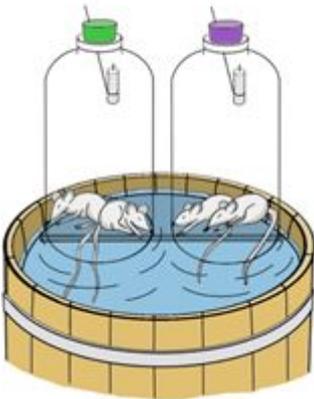


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Why the plate or the tub was filled with water?

- A) To cool the flame
- B) To seal the pathway of air
- C) To place the candle properly

2.



In the given figure, what may be the reason for the death of the mouse?

- A) Due to insufficient amount of air
- B) Due to insufficient amount of oxygen
- C) Due to insufficient amount of nitrogen