

Name: \_\_\_\_\_ Date: \_\_\_\_\_

### Air Around us

Q1. Why mountaineers carry oxygen cylinders with them, while climbing high mountains?

Ans. \_\_\_\_\_  
\_\_\_\_\_

Q2. Why do you feel suffocated in a closed space after sometime if a material is burning?

Ans. \_\_\_\_\_  
\_\_\_\_\_

Q3. Why does the transparent glass of windows appear hazy if not wiped off for long time?

Ans. \_\_\_\_\_  
\_\_\_\_\_

Q4. Why is it not advisable to breathe through our mouth?

Ans. \_\_\_\_\_  
\_\_\_\_\_

Q5. Dia took an open mouth bottle and dips it upside down into the water. Will the water move inside the bottle? Give a reason to support your answer.

Ans. \_\_\_\_\_  
\_\_\_\_\_

Q6. When an open mouth bottle is tilted and dipped into water, bubbles coming out of the bottle was observed. Explain the reason.

Ans. \_\_\_\_\_  
\_\_\_\_\_

## Air Around us

Q1. Why mountaineers carry oxygen cylinders with them, while climbing high mountains?

Ans. Mountaineers carry oxygen cylinders with them, while climbing high mountains because as we go up higher and higher, level of oxygen decreases.

Q2. Why do you feel suffocated in a closed space after sometime if a material is burning?

Ans. Burning of some material releases smoke and soot which is harmful, thus we feel suffocated in a closed space, where some material is burning.

Q3. Why does the transparent glass of windows appear hazy if not wiped off for long time?

Ans. Air contains water vapors and dust particles which stick to transparent glass of windows. Thus glass of windows appears hazy.

Q4. Why is it not advisable to breathe through our mouth?

Ans. It is not advisable to breathe through our mouth because if we do that, harmful dust particles may enter our body.

Q5. Dia took an open mouth bottle and dips it upside down into the water. Will the water move inside the bottle? Give a reason to support your answer.

Ans. No, water will not move inside the bottle because it was filled completely with air and there was no space for air to escape.

Q6. When an open mouth bottle is tilted and dipped into water, bubbles coming out of the bottle was observed. Explain the reason.

Ans. When the bottle was tilted, the air was able to come out in the form of bubbles, and water filled up the empty space that the air has occupied.