

## Physical Properties of Water

### A. Choose the Correct Answer:

1. What is the natural state of water at room temperature?

- a) Solid
- b) Liquid
- c) Gas
- d) Ice

2. What happens when water is heated?

- a) It freezes
- b) It turns into steam
- c) It becomes heavier
- d) It turns into ice

3. Which of the following is a property of water?

- a) It has no color
- b) It is sweet in taste
- c) It is always solid
- d) It cannot flow

### B. Fill in the Blanks:

1. Water has no \_\_\_\_\_ or \_\_\_\_\_.
2. Water takes the shape of its \_\_\_\_\_.
3. When water is cooled, it turns into \_\_\_\_\_.

### C. Case Study:

Ravi and Meera conducted an experiment with water.

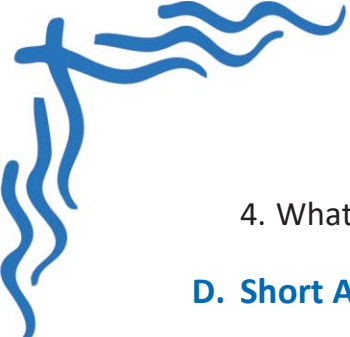
- They took three bowls and filled them with water.
- In the first bowl, they placed it in the freezer.
- In the second bowl, they heated it on the stove.
- The third bowl was kept at room temperature.

**After some time:**

- The water in the freezer turned into ice.
- The water on the stove turned into steam.
- The water at room temperature remained in liquid form.

**Case Study Questions:**

1. What happened to the water in the freezer?
2. Why did the water on the stove turn into steam?
3. What was the state of water at room temperature?



4. What does this experiment show about the physical properties of water?

**D. Short Answer Questions:**

1. Why is water called a liquid?
2. What happens when water is boiled?
3. How does water change its shape?

**E. Long Answer Questions:**

1. Explain how water changes its form when heated and cooled.
  2. Describe the physical properties of water, including its color, shape, and taste.
  3. Discuss why water is important for plants, animals, and humans.
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