

Change in State

A. Choose the Correct Answer:

1. What happens when ice is heated?

- a) It turns into water
- b) It turns into steam
- c) It becomes colder
- d) It disappears

2. Which of the following is an example of melting?

- a) Water freezing into ice
- b) Ice turning into water
- c) Steam turning into water
- d) Water turning into vapor

3. What happens to water when it is cooled below 0°C?

- a) It evaporates
- b) It becomes steam
- c) It turns into ice
- d) It remains the same

B. Fill in the Blanks:

1. When water is heated, it changes into _____.
2. The process of changing from a solid to a liquid is called _____.
3. Ice melts into water when the temperature _____.

C. Case Study:

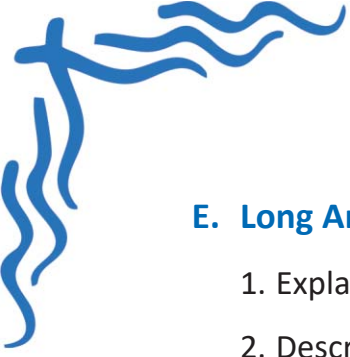
Ria placed a bowl of ice cubes on the table. After some time, she noticed that the ice cubes started turning into water. She left the bowl near the window, and after a few hours, the water level decreased. She wondered why the water was disappearing.

Case Study Questions:

1. What change in state occurred when the ice turned into water?
2. Why did the water level decrease when left near the window?
3. What would happen if Ria put the bowl in the freezer?
4. What is the process called when water changes into vapor?

D. Short Answer Questions:

1. What happens when water is heated?
2. How does ice turn into water?
3. What is evaporation?



E. Long Answer Questions:

1. Explain how water changes its state when heated and cooled.
2. Describe the difference between melting and freezing with examples.
3. Why do clothes dry faster in the sun? Explain using the concept of evaporation.