## **Question 11**

11. Physical properties of ice, water and steam are very different. What is the chemical composition of water in all three states?

## **Answer:**

 $H_2O$  exists in the solid form as ice, it exists in the liquid form as water and as steam in the gas state. All of these states consist of  $H_2O$ , due to which no change in the chemical composition of water is observed in these states.