BCM SCHOOL CHANDIGARH ROAD, LUDHIANA

A SR. SEC. SCHOOL OF BCM FOUNDATION AFFILIATED TO CBSE, NEW DELHI

Worksheet – Science; Class: VI Ch 8 – A Journey Through States of Water

Section A – Multiple Choice Questions (8 Marks): (Each question carries 1 mark)

1. Which of the following processes converts water vapour into water droplets?

a) Evaporation b) Condensation c) Freezing d) Sublimation

2. The process by which water changes into water vapour is called:

a) Condensation b) Melting c) Evaporation d) Freezing

3. Which of these is an example of condensation in daily life?

a) Drying clothes b) Dew drops on grass c) Ice melting d) Boiling water

4. Ice melts at: a) 0°C b) 10°C c) 50°C d) 100°C

5. The water cycle mainly depends upon:

a) Sunlight b) Moonlight c) Wind d) Air

6. When water vapour cools, it changes into:

a) Ice b) Snow c) Liquid water d) Steam

7. The process by which solid changes directly into gas is called:

a) Freezing b) Evaporation c) Condensation d) Sublimation

8. The continuous circulation of water between the earth and atmosphere is known as:

a) Water conservation b) Water pollution c) Water cycle d) Water management

Section B – Assertion and Reasoning (4 Marks): (Each question carries 1 mark)

Q1. Assertion (A): Water evaporates faster on a windy day.

Reason (R): Wind helps to remove water vapour quickly from the surface.

a) Both A and R are true, and R is the correct explanation of A.

b) Both A and R are true, but R is not the correct explanation of A.

c) A is true but R is false. d) A is false but R is true.

Q2. Assertion (A): Evaporation takes place only in sunlight.

Reason (R): Heat energy is needed for evaporation.

a) Both A and R are true, and R is the correct explanation of A.

b) Both A and R are true, but R is not the correct explanation of A.

c) A is true but R is false. d) A is false but R is true.

Q3. Assertion (A): Condensation is the reverse of evaporation.

Reason (R): In condensation, water vapour changes into liquid water.

a) Both A and R are true, and R is the correct explanation of A.
b) Both A and R are true, but R is not the correct explanation of A.
c) A is true but R is false. **d) A is false but R is true.**

Q4. Assertion (A): Ice melts faster on a hot day.
Reason (R): Increase in temperature speeds up the melting process.
a) Both A and R are true, and R is the correct explanation of A.
b) Both A and R are true, but R is not the correct explanation of A.
c) A is true but R is false. **d) A is false but R is true.**

Section C – Case Study Questions (8 Marks)
Case Study 1 (4 Marks) (1+ 2+1)

During summer, Riya noticed that her wet clothes dried quickly when she hung them outside in sunlight, but took a long time to dry indoors.

1. Name the process by which the clothes dry.

2. What are the two factors that affect the rate of this process?

3. Explain why clothes dry faster in sunlight.

Case Study 2 (4 Marks) (1+ 2+1)

Early in the morning, Rohit saw tiny droplets of water on the leaves and grass in his garden. By 9 a.m., the droplets disappeared.

1. What is the water droplets on the leaves called?

2. How are these droplets formed? Give one more example showing the same phenomena.

3. Why do they disappear after sunrise?