

WELCOME TO THE ONLINE CLASS

SESSION NO: 4

CLASS: 4

SUBJECT: SCIENCE

CHAPTER NUMBER: 12

CHAPTER NAME: AIR, WATER AND WEATHER

SUB TOPIC: WATER: EVAPORATION

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

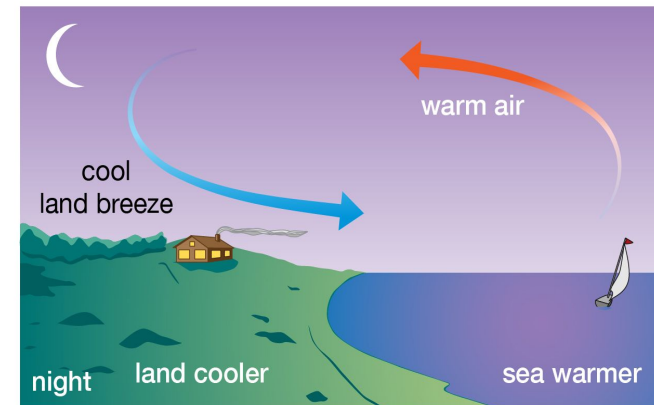
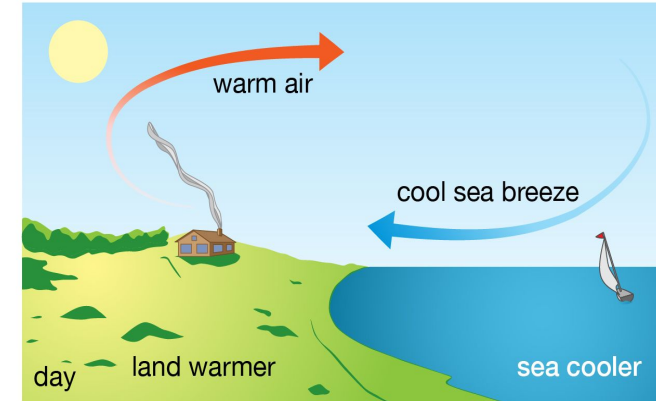
To enable the learner to:

- know about forms of water
- understand the term 'evaporation'

RECAPITULATION

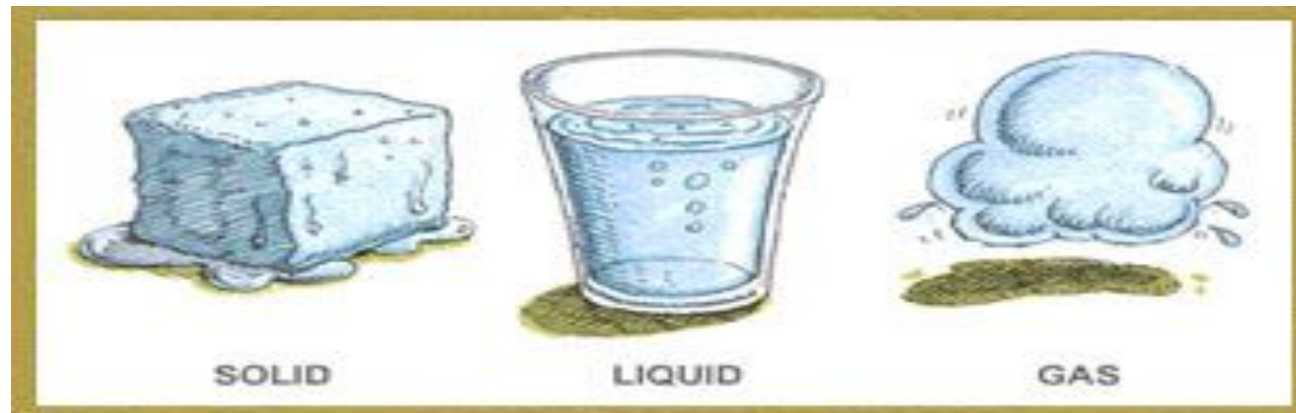
1. What do you understand by term 'breeze'?
2. _____ breeze blow during day.
3. _____ breeze blow at night.
4. Even on a very hot day, people in coastal areas do not feel very hot.

Why?



WATER

- About 71% of the earth's surface is covered with water.
- Water is not found only in rivers, seas, and oceans, but it is also found underground.
- It is even present in the air.
- Water changes its form on heating and cooling.



DIFFERENT FORMS OF WATER

Different Forms of Water

In gaseous form, water is known as **water vapour** or **steam**.



EVAPORATION

- The sun slowly heats the water on the surface of the earth to change it into water vapour.
- The process of change of water into water vapour due to heating is called evaporation.



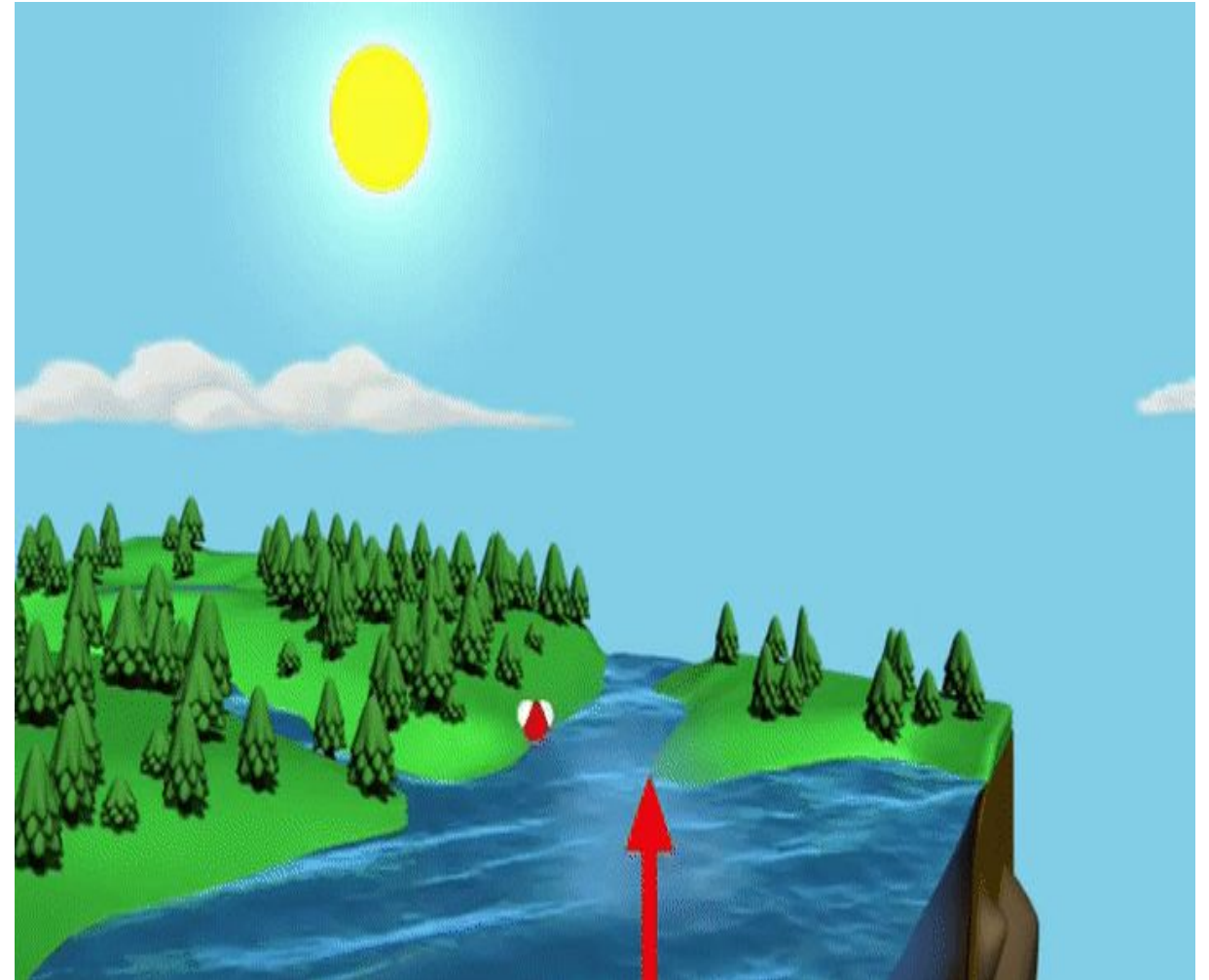
EVAPORATION OF WATER TAKES PLACE AT FASTER RATE

- There is a strong wind,
- The exposed surface of the water is large,
- The temperature of the surroundings is high,
- The air is dry.



CLLOUDS FALL ON THE EARTH AS RAIN

- Water vapour goes up in the atmosphere and forms clouds.
- These clouds fall on the earth as rain.



FORMS OF WATER VAPOUR

1. Dew
2. Frost
3. Fog
4. Snow



SUMMARY

- **Water is not found only in rivers, seas, and oceans, but it is also found underground. It is even present in the air.**
- **Water changes its form on heating and cooling.**
- **The process of change of water into water vapour due to heating is called evaporation.**
- **Water vapour goes up in the atmosphere and form clouds. These clouds fall on the earth as rain.**

QUIZ!



1. Water is not found only in rivers, seas, and oceans, but it is also found

_____.

Ans: underground

2. The process of change of water into water vapour due to heating.

Ans: Evaporation

3. Water vapour goes up in the atmosphere and form _____.

Ans: clouds

WRITE SHORT ANSWERS

B. Change the underlined words to make correct statements. Rewrite the correct statements in your notebook.

1. The season changes from day to day.

The weather changes from day to day.

2. The revolution of the earth on its axis causes day and night.

The rotation of the earth on its axis causes day and night.

3. In winter the days are longer.

In summer the days are longer.

4. A flame burns downwards.

A flame burns upwards.

WRITE SHORT ANSWERS

5. Hot air is heavier than cold air.

Hot air is lighter than cold air.

6. In coastal areas hot winds blow towards the land during the day.

In coastal areas cold winds blow towards the land during the day.

7. Fog is caused by tiny white flakes falling from the sky.

Snow is caused by tiny white flakes falling from the sky.

HOMework

- **Does water evaporate faster in windy conditions? Why or why not?**

LEARNING OUTCOME

The learner will be able to :

- **know about forms of water**
- **understand the term ‘evaporation’**

THANKING YOU
ODM EDUCATIONAL GROUP