

# **WELCOME TO THE ONLINE CLASS**

**SESSION NO: 4**

**CLASS: 4**

**SUBJECT: SCIENCE**

**CHAPTER NUMBER: 12**

**CHAPTER NAME: AIR, WATER AND WEATHER**

**SUB TOPIC: REVISION-3, FILL IN THE BLANKS AND ANSWER  
THE FOLLOWING QUESTIONS**

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**CHANGING YOUR TOMORROW**

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# LEARNING OBJECTIVE

**To enable the learner to:**

- **recall the previous concept**

## REVISION -3 FILL IN THE BLANKS

1. Changes in the weather are caused primarily due to \_\_\_\_\_.
2. The process of changing liquid water into water vapor is known as \_\_\_\_\_.
3. \_\_\_\_\_ is the process of adding chlorine in a drinking water to disinfect it and kill germs.
4. The level of groundwater in an area is called the \_\_\_\_\_.
5. Settling down heavy insoluble impurities in a liquid is called as \_\_\_\_\_.

## **ANSWER THE FOLLOWING QUESTIONS**

**Q1. What do you mean by weather?**

**Q2. Even on a very hot day, people in coastal areas do not feel very hot. Why?**

**Q3. Write three differences between condensation and evaporation?**

**Q4. What is sea breeze and how does it occur? Explain with the help of the diagram.**

**Q5. List out the different ways of purifying the water.**



**ANSWER**

## REVISION -3 FILL IN THE BLANKS

1. Changes in the weather are caused primarily due to Sun.
2. The process of changing liquid water into water vapor is known as evaporation.
3. Chlorination is the process of adding chlorine in a drinking water to disinfect it and kill germs.
4. The level of groundwater in an area is called the water table.
5. Settling down heavy insoluble impurities in a liquid is called as sedimentation .

## ANSWER THE FOLLOWING QUESTIONS

**Q1. What do you mean by weather?**

**Ans: The weather is the condition of the atmosphere in one area at a particular time.**

**Q2. Even on a very hot day, people in coastal areas do not feel very hot. Why?**

**Ans: In the coastal areas the temperature is naturally low due to the presence of water.**

- **As the seawater takes longer time to become hot as compared to land.**
- **Thus, even in the hot day the people in the coastal areas don't feel very hot.**

## ANSWER THE FOLLOWING QUESTIONS

**Q3. Write three differences between condensation and evaporation?**

**Ans:**

<b>EVAPORATION</b>	<b>CONDENSATION</b>
<p><b>1. Liquid changes to gaseous state.</b></p> <p><b>2. Evaporation results in cooling.</b></p> <p><b>3. This process involves absorption of heat.</b></p> <p><b>Eg. Drying up the clothes.</b></p>	<p><b>1. Gas changes to liquid state.</b></p> <p><b>2. Condensation results in warming.</b></p> <p><b>3. This process involves release of heat.</b></p> <p><b>Eg. Morning Dew on the grass.</b></p>

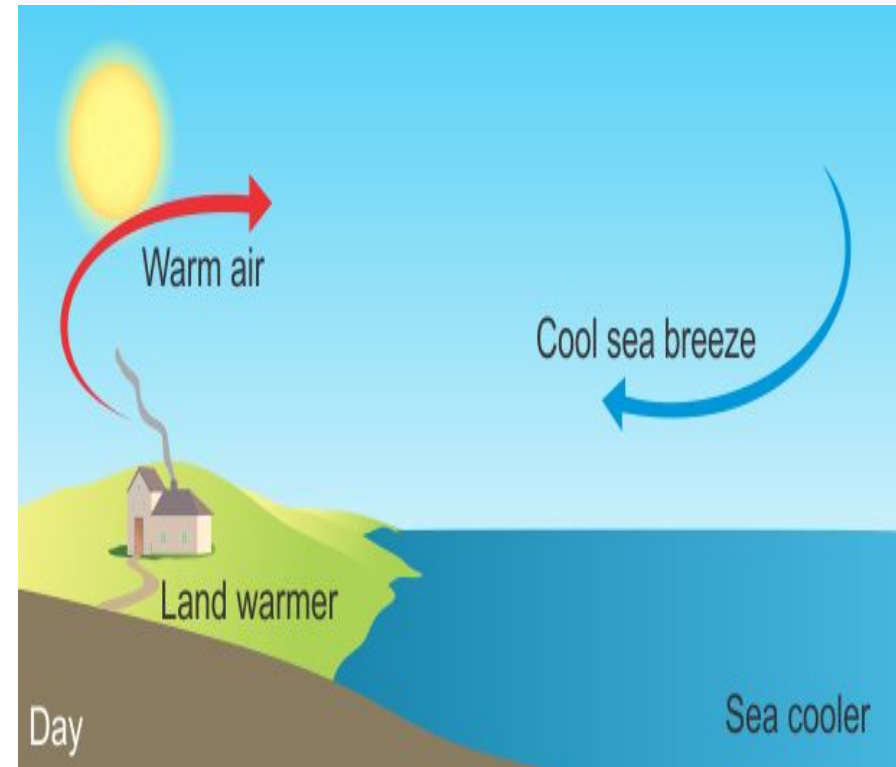


## ANSWER THE FOLLOWING QUESTIONS

**Q4. What is sea breeze and how does it occur? Explain with the help of the diagram.**

**Ans: Breeze that blows from sea towards land is called sea breeze.**

- **Sea breeze occurs during the day.**
- **During day land gets heated quickly but the sea does not.**
- **When air above the hot land gets heated, it rises as hot air is lighter.**
- **Cool air over the sea rushes in to take its place. Thus, a cool breeze blows towards the land during the day.**



## ANSWER THE FOLLOWING QUESTIONS

**Q5. List out the different ways of purifying the water.**

**Ans: The different ways of purifying water are**

- a. Sedimentation: Settling down heavy insoluble impurities in a liquid.**
- b. Decantation: Process of gently pouring the liquid into another vessel after sedimentation.**
- c. Filtration: Purifying impure liquid by straining.**
- d. Chemicals like chlorine and bleaching powder can be added to kill germs in the water.**
- e. Most safest method of purifying water is to boil it, as boiling destroys germs.**

# **HOMework**

- **Learn Ch- 10**

# LEARNING OUTCOME

**The learner will be able to :**

- **recall the previous concept**

**THANKING YOU**  
**ODM EDUCATIONAL GROUP**