

WELCOME TO THE ONLINE CLASS

SESSION NO: 9

CLASS: 4

SUBJECT: SCIENCE

CHAPTER NUMBER: 12

CHAPTER NAME: AIR, WATER AND WEATHER

SUB TOPIC: SHORT AND LONG Q/A

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

Learner will able to

- **Write short & long questions and answers**

RECAPITULATION

1. Best household way of obtaining potable water is by_____.

- a) adding chemicals
- b) boiling
- c) filtration

2. _____ is the water found underground in the cracks and spaces in soil, sand and rock.

3. Which of the following statement is true:

Statement A: If water is blue and clear, then it is fit for drinking.

Statement B: Filtration is the best and safest way of removing impurities from water:

- a) only statement A is correct
- b) only statement B is correct
- c) Both the statements are incorrect.

TICK THE CORRECT ANSWER

1. Changes in the weather are caused primarily due to

- a. sun b. clouds c. rain d. wind

2. Clothes take a long time to dry

- a. when the weather is windy b. When the air is wet c. when the temperature is high
d. when the air is dry

3. The process of changing liquid water into water vapor is known as

- a. evaporation b. condensation c. chlorination d. decantation

4. Which of the following is not a way of purifying water?

- a. sedimentation b. chlorination c. filtration d. cooling

5. Frost is formed when it is

- a. very hot b. windy c. raining d. very cold

C. WRITE SHORT ANSWERS

4. What is chlorination?

Ans: Chlorination is the process of adding chlorine in a drinking water to disinfect it and kill germs.

5. Define the water table of an area.

Ans: The level of groundwater in an area is called the water table.

D. ANSWER THESE QUESTIONS

1. What is a land breeze? How does it occur?

Ans. A breeze that blows from land towards the sea is called a land breeze.

- At night, the land cools down faster than the sea.**
- The hot air above the sea rises.**
- Thus, the cooler air from the land blows towards the sea to take its place.**

D. ANSWER THESE QUESTIONS

2. How is hail different from the snow?

Ans. Snow is made up of one or more tiny ice crystals.

- Ice crystals come together to form the unique shapes of a snowflake.**
- Whereas hail is a frozen raindrop that is generally a lot bigger than a pure crystal of ice.**

D. ANSWER THESE QUESTIONS

3. What are the different ways of purifying 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.**

SUMMARY

- 1. The sun causes changes in weather. It affects the temperature and length of the day.**
- 2. Air currents are set up when hot air rises and cooler air takes its place.**
- 3. Land gets heated faster than water. It cools down faster too.**
- 4. On heating, liquid water changes into water vapour. This is called evaporation.**
- 5. Insoluble impurities are removed by sedimentation and decantation and filtration.**

Let's play and learn

- <https://wordwall.net/resource/27838353>

HOMework

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

LEARNING OUTCOME

Learner will able to

- **Write short & long questions and answers**

THANKING YOU
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