



Bal Bharati
PUBLIC SCHOOL

Gangaram Hospital Marg, New Delhi-110040
[An Institution of the Child Education Society (Regd.)]
Website : bbpsgr.balbhharati.org ; e-mail : bbpsgr@balbhharati.org

Session 2024-25

Class IV

Subject: G. Science

Name: _____ **Class IV/Sec:** _____ **Roll no:** _____

Lesson – 12 (Air, Water and Weather)

Q1. Fill in the blanks:

- a) Water changes from a liquid to a gas through the process of _____.
- b) _____ occurs when thick clouds of tiny drops of water form above land or water.
- c) A flame always burns _____.
- d) The level of underground water in an area is called the _____.
- e) The process adding chlorine to kill germs in water is called _____.
- f) It is _____ because there's a lot of moisture in the air.
- g) Hot air is _____ than cold air.
- h) About _____ percent of the Earth's surface is covered with water.

Q2. State True or False:

- a) Land absorbs heat faster than water.
- b) Land cools down slower than water.
- c) Hot air always goes down.
- d) Most of our body weight is made up of water.
- e) Water changes its form on heating and cooling.

Q3. Match the following:

Column 1

- 1. Condensation
- 2. Evaporation
- 3. Filtration
- 4. Water Table
- 5. Chlorination
- 6. Rotation
- 7. Revolution

Column 2

- a) Seasons
- b) Day and night
- c) Level of underground water
- d) Water to water vapour
- e) Water vapour to water
- f) Filter paper
- g) Addition of chlorine

Q4. Tick the correct option:

1. Air flowing towards the land from the sea is called
 - a. Sea breeze
 - b. Land breeze
 - c. Cyclone
 - d. Tsunami
2. Air flowing towards the sea from the land is called:
 - a. Sea breeze
 - b. Land breeze
 - c. Cyclone
 - d. Tsunami
-  3. What occurs when thick clouds of tiny drops of water form above the land or water?
 - a. Fog
 - b. Hail
 - c. Dew
 - d. Snow
4. Sea breeze blows during the:
 - a. Day
 - b. Night
 - c. Dusk
 - d. Dawn
5. Land breeze blows during the:
 - a. Day
 - b. Night
 - c. Dusk
 - d. Dawn
-  6. Select the change which is not caused by the Sun.
 - a. Causes changes in weather
 - b. Causes winds to blow
 - c. Causes changes in the states of water
 - d. Causes global warming
-  7. A bedsheet spread on a drying pole dries faster than a pile of clothes lying on the floor because of:
 - a. Strong wind
 - b. Larger exposed surface of water
 - c. Temperature of the surrounding
 - d. Dry air
8. The water in wells and rivers is impure due to:
 - a. Insoluble impurities
 - b. Soluble impurities
 - c. Disease causing germs
 - d. All of the above
9. We can purify water by
 - a. Boiling
 - b. Chlorination
 - c. Adding potassium permanganate
 - d. All of the above
10. In filtration, what cannot be used as a filter?
 - a. Tea strainer
 - b. Filter paper
 - c. Muslin cloth
 - d. Plastic sheet

Q5. Draw a well labelled diagram of sea breeze and night breeze.

Q6. Identify the type of separation process used for the given situations.

- a. Separating oil and vinegar - _____
- b. Separating soil from water - _____
- c. Tea leaves in water - _____
- d. Separating water from rice after washing - _____
- e. Separating lemon seeds from lemon juice - _____