

GEOGRAPHY

DELTA Pg No. _____
Date / /

Chapter \Rightarrow 5

WATER

* Ques / Answers :-

Q.1. What is precipitation?

Ans. Falling of moisture in the form of rainfall, snow, fog, sleet and hail stone is called precipitation.

Q.2. What is water cycle?

Ans. The water cycle is the process by which water continually changes its form and circulates between oceans, atmosphere and land.

Q.3. What are the factors affecting the height of the waves?

Ans. Winds, earthquakes, volcanic eruption or underwater land slides are the factors affecting the height of the waves. The stronger the winds blow, the bigger the waves become.

Q4. Which factors affect the movement of ocean water?

Ans Temperature, winds, gravitational pull of the sun, the earth and the moon, warm and cold currents are the factors that affect the movement of ocean water.

Q5. What are tides and how are they caused?

Ans Tides are the rhythmic rise and fall of ocean water that occur twice in a day. The strong gravitational pull exerted by the sun and the moon on the earth's surface causes the tides.

Q6. What are ocean currents?

Ans Ocean currents are streams of water flowing constantly on the ocean surface in indefinite direction.

Give reason :-

① Ocean water are salty.

Ans The water of the ocean is salty as it contains large amount of dissolved salts.

(b) The quality of water is deteriorating.

Ans Water is being used injudiciously whatever portable water is available. Its quality is not good. It is because industrial effluents and untreated water of industries get mixed into streams and rivers. Sewerage water also get mixed into these water bodies. As a result, the quality of water is deteriorating day by day.

* Short Notes :-

1. Condensation :- It is the process in which water vapour turns into water droplets.

2. Evaporation :- It is the process through which water turns into water vapour.

3. Waves :- When the water on the surface of the ocean rises and falls alternately.

they are called waves.

4. Spring Tide :- During the full moon and new moon days, the sun, the moon and the earth are in the same line and the tides are highest. These tides are called spring tides.

5. Neap tide :- When the moon is in its first and quarter, the ocean water get drawn in diagonally opposite directions by the gravitational pull of sun and earth resulting in low tides. These tides are called neap tides.

* Fill in the blanks :-

1. Most of the salt is sodium chloride or the common table salt that we eat.

2. The major sources of fresh water are the rivers, ponds, springs and glaciers.

3. The ocean water keeps moving continuously.

4. The stronger the wind blows, the bigger the waves become.
5. The areas where a warm and cold current meet experience foggy weather.
6. An example of cold current is the Labrador ocean current.
7. The cold current originate near the poles.
8. World water day is celebrated on March 22.

* Match the following :-

Column I

1. Caspian sea
2. Tide
3. Tsunami
4. Ocean currents
5. Amazon river
6. Congo river

- largest lake
- Periodic rise and fall of water
- strong seismic waves
- streams of water moving in definite paths
- South America
- Africa

7. mississippi river north america

* TRUE / FALSE

1. High tides are helpful in navigation. True
2. The ocean currents influence the temperature condition of the area. True
3. The sun's heat causes rainfall. False
4. The Indira Point in the Lakshadweep islands got submerged after tsunami. False
5. Many fish come closer to the shore during the low tide. False

* QUES / ANSWERS :-

1. What is terrarium?

Ans Terrarium is an artificial enclosure for keeping small house plants.

2. What do you mean by salinity?

Ans Salinity is the amount of salt present in thousand litres of water.

3. What is tsunami?

Ans Tsunami is a Japanese word that means ^{harbour} waves as the harbour get destroyed whenever there is a tsunami.

~~4. How are high tides important?~~

Ans High tides ^{important} for many reasons :-

- (i) They help in navigation.
- (ii) The rise in water level helps the ships to arrive at the harbour more easily.
- (iii) High tides also help in fishing.
- (iv) The rise and fall in the water is being used to generate electricity in some places.

5. Give an account of ocean currents.

Ocean currents are streams of water flowing constantly on the ocean surface in definite directions. The ocean currents may be warm or cold. The warm ocean currents originate near the equator and move towards the poles. The cold currents carry water from polar region to tropical region. The ocean currents influence the temperature conditions of the area. Warm currents bring about warm over land surface. The areas where warm and cold currents meet provide the best fishing ground of the world. For example :- sea around Japan and the eastern coast of north America. The areas where warm and ^{cold} currents meet also experience ^{weather} foggy and therefore navigation becomes difficult.

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