

MCOs - NCERT Geography Ch.5, Class 7th - Water

(Note: Please read the summary before attempting the questions)

Q1. Consider the following statements:

1. Rivers have nearly 10% of freshwater of the earth.
2. Majority of fresh water on earth is stored as ground water.

Which of the above statement(s) is/are **correct**?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

Q2. Consider the following statement about water movement in ocean:

1. Tides are alternate rise and fall of water on the ocean surface.
2. The rhythmic rise & fall of ocean water twice in a day is called waves.
3. Ocean Currents are streams of water flowing constantly on the ocean bottom in definite directions.

Choose the **correct** option from the code given below

- a) 1 only
- b) None
- c) 3 only
- d) Both 1 and 2

Q3. Consider the following statements about tides:

1. Neap Tides occur when sun, moon & earth are in same line.
2. Spring Tides occur during a full moon or new moon.

Choose the **correct** option

- a) 1 only
- b) 2 only
- c) 1 and 2
- d) None

Q4. Which among the following statement is correct about ocean currents?

1. Ocean currents redistribute energy.
2. Warm ocean currents moves from poles towards equator.
3. Cold currents carry water from tropical to polar latitudes.

Choose the option from the codes given below:

- a) 1 and 2
- b) 1 and 3
- c) 1 only
- d) 3 only

Q5. The process by which water continually changes its form and circulates between oceans, atmosphere and land is (NCERT)

- a) Water Cycle
- b) Tides
- c) Ocean Currents
- d) Waves

Answers & Explanations

Q1. Answer: (d)

Explanation:

Refer the table below

Oceans	97.3	Saline Water
Ice caps	02.0	Fresh Water
Ground water	0.68	
Fresh water lakes	0.009	
Inland seas & Salt lakes	0.009	
Atmosphere	0.0019	
Rivers	0.0001	
Total	100	

Statement 1 is incorrect: Rivers have **only 0.0001% of earth's fresh water.**

Statement 2 is incorrect: 2% (majority of earth's fresh water) is stored in icecaps.

Groundwater stores 0.68% of fresh water second to ice caps.

Q2. Answer: (b)

Explanation:

- **Statement 1 is incorrect:** Waves are alternate rise and fall of water on the ocean surface.
- **Statement 2 is incorrect:** The rhythmic rise & fall of ocean water twice in a day is called **Tides.**
- **Statement 3 is incorrect:** Ocean Currents are streams of water flowing constantly on the **ocean surface** in definite directions.

Q3. Answer: (b)

Explanation:

Statement 1 is incorrect: Neap Tide-When moon is **diagonal to the sun & earth.** This result in pulling of water in diagonally opposite direction thus produces low tides.

Statement 2 is correct: Spring Tide-When earth, moon & sun are in the same line. **Occur during full moon & new moon.** These result in the formation of high tides.

Q4. Answer- (c)

Explanation:

- **Statement 1 is correct:** Ocean Currents redistribute energy in the ocean.
- **Statement 2 is incorrect:** Generally warm currents **originate near equator & move towards the poles.** Example-Gulf stream.
- **Statement 3 is incorrect:** Cold currents carry water from **polar to tropical latitudes.** Example- Labrador current.

Q5. Answer- (a)

Explanation

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