

Social Science

(Geography)(Chapter – 5) (Water)
(Class – 7)

Exercises

Question 1:

- (i) What is precipitation?
- (ii) What is water cycle?
- (iii) What are the factors affecting the height of the waves?
- (iv) Which factors affect the movement of ocean water?
- (v) What are tides and how are they caused?
- (vi) What are ocean currents?

Answer 1:

- (i) Precipitation is the deposition of moisture from the atmosphere onto the earth's surface. This may be in form of rain, hail, frost, fog, sleet or snow.
- (ii) The process by which water continually changes its form and circulates between oceans, atmosphere and land is known as the water cycle.
- (iii) Factors affecting the height of the waves:
 - Speed of wind
 - Duration of wind
 - Distance the wind blows over water
 - Earthquake
 - Volcanic Eruption
 - Underwater Landslides.
- (iv) Factors affecting the movement of ocean water:
 - Temperature
 - Earthquake or volcanic eruption
 - Gravitational pull of the sun and the moon
 - Underwater landslides
 - Rotation of the earth.
- (v) The rhythmic rise and fall of ocean water twice a day is called a tide. Tides are caused due to the gravitational pull exerted by the sun and the moon on the earth's surface.
- (vi) Ocean currents are streams of water flowing constantly on the ocean surface in definite directions.

Question 2:

Give reasons.

- (i) Ocean water is salty.
- (ii) The quality of water is deteriorating.

Answer 2:

- (i) Ocean water is salty because it contains large amount of dissolved salts. Most of the salt is sodium chloride or the common table salt that we eat.
- (ii) The quality of water is deteriorating because:
 - Garbage we throw in the river.
 - Chemicals polluted water from industries.
 - Remains of the harmful insecticides and pest resistant's flowing in from the fields.
 - Unburnt or half burnt corpses of men and animals thrown in water bodies.

Question 3:

Tick the correct answer.

(i) The process by which water continually changes its form and circulates between oceans, atmosphere and land

(a) Water cycle (b) Tides (c) Ocean currents

(ii) Generally the warm ocean currents originate near

(a) Poles (b) Equator (c) None of these

(iii) The rhythmic rise and fall of ocean water twice in a day is called

(a) Tide (b) Ocean current (c) Wave

Answer 3:

(i) (a) Water cycle

(ii) (b) Equator

(iii) (a) Tide

Question 4:

Match the following.

(i) Caspian Sea

(a) Largest lake

(ii) Tide

(b) Periodic rise and fall of water

(iii) Tsunami

(c) Strong seismic waves

(iv) Ocean currents

(d) Streams of water moving along definite paths

(e) Water cycle

Answer 4:

(i) Caspian Sea

(a) Largest lake

(ii) Tide

(b) Periodic rise and fall of water

(iii) Tsunami

(c) Strong seismic waves

(iv) Ocean currents

(d) Streams of water moving along definite paths

Question 5:

For fun.

Be a Detective

(i) The name of one river is hidden in each of the sentences below. Spot it.

Example: Mandira, Vijayalakshmi and Surinder are my best friends

Answer: Ravi

(a) The snake charmer's bustee, stables where horses are housed, and the piles of wood, all caught fire accidentally.

(Hint: Another name for River Brahmaputra)

(b) The conference manager put pad, material for reading and a pencil for each participant.

(Hint: A tributary on the Ganga-Brahmaputra delta)

(c) Either jealousy or anger cause a person's fall

(Hint: Name of a juicy fruit!)

(d) Bhavani germinated the seeds in a pot

(Hint: Look for her in West Africa)

(e) "I am a zonal champion now" declared the excited athlete.

(Hint: The river that has the biggest basin in the world)

(f) The tiffin box rolled down and all the food fell in dusty potholes.

(Hint: Rises in India and journeys through Pakistan)

(g) Malini leaned against the pole when she felt that she was going to faint.

(Hint: Her delta in Egypt is famous)

(h) Samantha mesmerised everybody with her magic tricks.

(Hint: London is situated on her estuary)

(i) "In this neighbourhood, please don't yell! Owners of these houses like to have peace".
Warned my father when we moved into our new flat".

(Hint: colour!)

(j) 'Write the following words, Marc!' "On", "go", "in" said the teacher to the little boy in KG Class.

(Hint: Rhymes with 'bongo')

Now make some more on your own and ask your classmates to spot the hidden name. You can do this with any name: that of a lake, mountains, trees, fruits, school items etc.

Carry on Detective

(ii) With the help of an atlas, draw each river which you discovered in For fun (i), on an outline map of the world.

Answer 5:

(i)

(a) Teesta

(b) Padma

(c) Orange

(d) Niger

(e) Amazon

(f) Indus

(g) Nile

(h) Thames

(i) Yellow

(j) Congo

(ii) Do yourself as it is work of creativity.