

CBSE Class – VII Social Science
NCERT Solutions
Geography Chapter 05
Water

Question 1. Answer the following questions.

- (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?**

Solution:

- (i)** Precipitation is the deposition of moisture from the atmosphere onto the earth's surface. This may be in the 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)** The factors affecting the height of waves are:
 - High speed of wind
 - Duration of wind
 - Distance the wind blows on water
 - Earthquake
 - Volcanic Eruption
 - Underwater Landslides
- (iv)** The factors affecting the movement of ocean water are:
 - Temperature
 - Earth's rotation
 - Gravitational pull of sun and moon
 - Earthquakes and volcanic eruptions
- (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. The ocean currents may be warm or cold. For example, the Labrador ocean current is cold current and the Gulf Stream is warm current.

Question 2. Give reasons.

- (i) Ocean water is salty.**

Solution:

Ocean water is salty because it contains large amounts of undissolved salts.

(ii) The quality of water is deteriorating.

Solution:

The quality of water is deteriorating because of:

The garbage we throw in the rivers.

Chemicals from industries and polluted water.

Remains of the harmful insecticides and pest resistants 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

Solution:

(a) Water cycle.

(ii) Generally the warm ocean currents originate near

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

Solution:

(b) Equator

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

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

Solution: (a) Tide.

Question 4. Match the following:

(i)	Caspian Sea	(a)	Periodic rise and fall of water
(ii)	Tide	(b)	Largest lake
(iii)	Tsunami	(c)	Streams of water moving in definite paths
(iv)	Ocean currents	(d)	Strong seismic waves

Solution:

(i)	Caspian Sea	(b)	Largest lake
(ii)	Tide	(a)	Periodic rise and fall of water
(iii)	Tsunami	(d)	Strong seismic waves
(iv)	Ocean currents	(c)	Streams of water moving in 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: Mandra, Vijayalakshmi and Surinder are my best friends.

Solution:

Ravi.

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

(Hint: Another name for river Brahmaputra)

Solution:

Teesta.

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

(Hint: A distributary on the Ganga-Brahmaputra delta?)

Solution:

Padma.

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

(Hint: Name of juicy fruit!)

Solution:

Orange.

(d) Bhavani germinated the seeds in a pot.

(Hint: Look for her in West Africa)

Solution:

Niger.

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

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

Solution:

Amazon.

(f) The tiffin box, rolled down and all the food fell in dusty potholes. (Hint: Rises in India and journeys through Pakistan)

Solution:

Indus.

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

(Hint: Her delta in Egypt is famous)

Solution:

Nile.

(h) Samantha mesmerized everybody with her magic tricks.

(Hint: London is situated on her estuary)

Solution:

Thames.

(i) “In this neighborhood, please don’t yell! Owners of these houses like to have peace.” warned my father when we moved into our new flat.

(Hint: colour!)

Solution:

Yellow.

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

(Hint: Rhymes with ‘bongo’)

Solution:

Congo.