

Chapter 14: Water

NCERT Exemplar · Class 6 · Science

Multiple Choice Questions

Question 1

Which of the following activities does not involve the use of water?

A.

Washing clothes

B.

Bathing

C.

Cleaning utensils

D.

Drying wet clothes

Answer

Correct option: D

Solution

Ans: The correct answer is option (d) Drying wet clothes.

Explanation: When wet garments are dried, water is transformed to vapour.

Question 2

In which of the following activities will you use a minimum amount of water?

A.

Bathing

B.

Brushing teeth

C.

Washing clothes

D.

Mopping a room

Answer

Correct option: B

Solution

Ans: The correct answer is option (b) brushing teeth.

Question 3

The quantity of water required to produce one page of your book is

A.

One bucket

B.

Ten buckets

C.

Two glasses

D.

Few drops

Solution

Ans: A correct answer is an option (c).

Explanation: Almost two glasses of water are required to make one sheet of paper.

Question 4

Water in our tap comes from a

A.

River

B.

Lake

C.

Well

D.

River, lake or well

Answer

Correct option: D

Solution

Ans: The correct answer is option (d) river, lake or well.

Question 5

In which of the following cases evaporation of water will be the slowest?

A.

A tray of water is kept in sunlight.

B.

A kettle of water is kept on a burner.

C.

A glass of water is kept in a room.

D.

A bucket of water was kept on the rooftop.

Answer

Correct option: C

Solution

Ans: The correct answer is option (c).

Explanation: As the temperature rises, evaporation rises as well. The room's temperature will be lower than that of the burner, the rooftop, or sunshine. As a result, at room temperature, evaporation will be slower.

Question 6

Transpiration is a process in which plants

A.

Receive water from the soil.

B.

Absorb water vapour from air.

C.

Prepare food from water.

D.

Release water vapour.

Answer

Correct option: D

Solution

Ans: The correct answer is option (d).

Explanation: Transpiration is the loss of water in the form of vapour from the exposed sections of a plant (mostly leaves).

Question 7

Clouds are

A.

Tiny drops of water floating in the air.

B.

Mixture of dust and water vapour.

C.

Particles of water vapour.

D.

Raindrops in air.

Answer

Correct option: A

Solution

Ans: The correct answer is option (a).

Explanation: Clouds occur when water vapour condenses in the air and creates tiny droplets of water that float high in the air.

Question 8

Wells are fed by

A.

Pond water.

B.

Lake water.

C.

Rainwater.

D.

Groundwater.

Answer

Correct option: D

Solution

Ans: The correct answer is option (d) Groundwater.

Explanation: Some of this water is absorbed by the ground and soil, increasing the level of groundwater. This groundwater becomes the well's source of water.

Question 9

Flood causes extensive damage to

A.

Crops.

B.

Property and human life.

C.

Domestic animals.

D.

All of the above.

Answer

Correct option: D

Solution

Ans: The correct answer is option (d) All of the above.

Explanation: Floods are caused by significant rainfall and a rise in the level of any area's water bodies. The floods are devastating and endangering animal life. Crops, property, human life, and household animals are all destroyed.

Question 10

“Catch water where it falls” is the basic idea behind

A.

Recycling of water.

B.

Making dams to store water.

C.

Rainwater harvesting.

D.

Condensation of water vapour.

Answer

Correct option: C

Solution

Ans: The correct answer is option (c).

Explanation: The objective was to gather as much water as possible and store it so that there would be no future water scarcity. To collect pure rainwater, people install tankers, containers, and pipes with filters.

Very Short Answer Questions

Question 11

Write down activities shown in this figure in which water is being used.

Solution

Ans: The activities shown in the figure are-

- a. A lady is lifting water from the well for storage and drinking water in the earthen pot.
- b. A man is washing clothes.
- c. Another man is bathing.

Question 12

Write any two activities which require more than a bucket of water.

Solution

Ans: Two activities that require more than a bucket of water are-

- (i) Washing a massive number of clothes.
- (ii) Irrigating a crop field.

Question 13

Write any two activities which require less than one bucket of water.

Solution

Ans: Two activities that require less than a bucket of water are-

- (i) Washing fewer fruits or vegetables.
 - (ii) Brushing teeth.
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Short Answer Questions**Question 14**

Why do wet clothes placed on a clothesline get dry after some time? Explain.

Solution

Ans: After a while, wet clothing is hung out to dry because the sun's heat helps the water to evaporate. Evaporation is the process of converting liquid water into water vapour.

Question 15

When water is maintained in direct sunlight, it absorbs heat from the sun and evaporates. However, how does water kept under the shade of a tree also gets evaporated? Explain.

Solution

Ans: Despite being under the tree during the day, water evaporates because the air surrounding the tree is heated by the presence of sunshine, causing water to evaporate from the heated air.

Question 16

How do the areas covered with concrete affect the availability of groundwater?

Solution

Ans: Because seepage (entrance) of rainwater into the ground is limited in concreted regions, groundwater availability is diminished.

Question 17

Why is there a need for conserving water? Give two reasons.

Solution

Ans: There is a need for conserving water because:

1. Groundwater levels are dropping as a result of climate change. As a result of the lower water levels, only a limited amount of water may be used. As a result, we need conserve water in order to raise
 2. the groundwater level and address the water scarcity that will occur if the underground water level drops dramatically.
 3. The world's population is rapidly increasing, and water resources are rapidly depleting. To avoid water scarcity, we must conserve more and more water and protect it for future generations.
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Question 18

Fill in the blanks selecting words from the following list snow, rain, clouds, vapour, evaporation, transpiration. Water, as

(i) goes into the atmosphere by the processes of (ii)

and (iii) and forms (iv) , which on condensation fall in the form of (v) and (vi) .

Solution

Ans: Fill in the blanks-

(i) vapour.

(ii) evaporation.

(iii) transpiration.

(iv) clouds.

(v) snow.

(vi) rain.

Question 19

Most of the water that falls on the land as rain and snow sooner or later go back to a sea or an ocean. Explain how it happens?

Solution

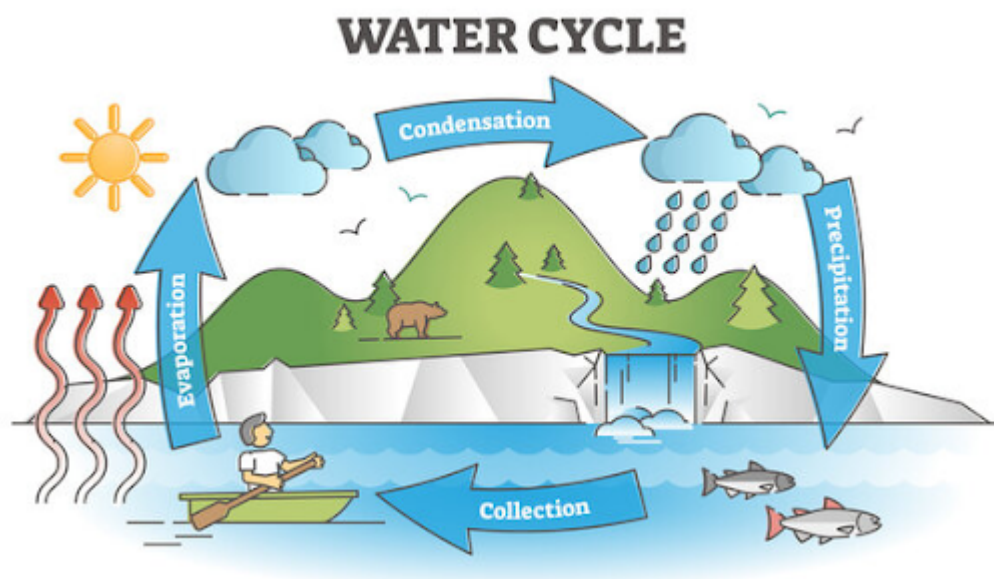
Ans: Rain and snow eventually return to a sea or ocean because as snow melts from the sun, the water runs into a river, which also receives rainwater directly. All of these rivers flow for a considerable distance before joining a sea or ocean. The water that evaporates from the seas and oceans is returned to them.

Question 20

Draw a diagram to show how seawater reaches a lake or pond.

Solution

Ans: Water cycle-



Question 21

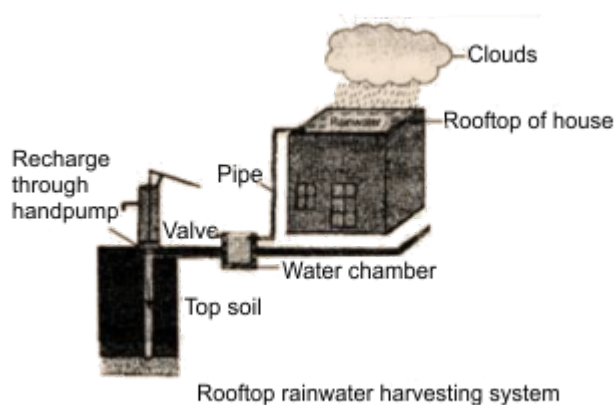
Dissolve two spoons of common salt in half a cup of water. Now, if you want to get the salt back, what will you do?

Solution

Ans: We can get back the salt we dissolved in water by two methods-

- i. Either heating the salted water in a pan on a burner.
- ii. Alternatively, keep the salted water pan in the sun.

In both ways, the water will evaporate in the form of water vapours, and the salt will have to remain back in the pan.



Question 22

Explain the process of rooftop rainwater harvesting with the help of a suitable diagram.

Solution

Ans: Rooftop rainwater harvesting is the process of collecting rainy rooftop water and storing it in storage tanks via pipes. Because the water may contain soil, it is filtered. To recharge the groundwater, the pipes are sometimes placed straight into pits in the ground.

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