

A Journey through States of Water

ORAL QUESTIONS

A. Answer these questions orally.

1. What is the water that gets stored underground called?
2. How much of the earth's surface is covered with water?
3. Why do seeds need water?
4. What do you think would happen if we do not water plants?
5. Name the various sources of water on the earth.
6. What do plants release into the air during transpiration?

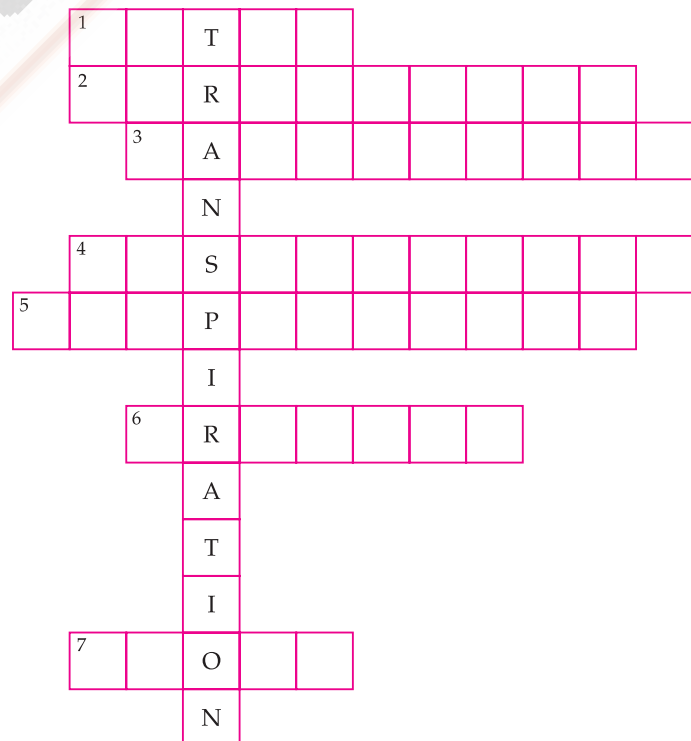
B. Fill in the blanks.

1. Water is very _____ for life.
2. Lack of rain may lead to _____
3. Common salt is obtained from sea water by the process of _____
4. The rate of evaporation is _____ when the water is heated.
5. Evaporation takes place at all _____
6. _____ leads to drying up of soil.

PUZZLE/QUIZ

C. Complete the following word ladder with the help of the clues given.

1. Three-fourths of the earth's surface is covered with this
2. Collection and storage of rainwater for future use
3. A mass of soil, rocks, etc that slides down a slope
4. Plants and animals release water vapour during this process
5. Changing of water into water vapour
6. A condition caused due to no rainfall in a particular region for a long time
7. A condition caused due to continuous heavy rain in a region



CLASS TEST

D. Tick (✓) the correct option.

1. Which of the following processes is not responsible for the presence of water vapour in the air?

(a) Transpiration <input type="checkbox"/>	(b) Condensation <input type="checkbox"/>
(c) Evaporation <input type="checkbox"/>	(d) Respiration <input type="checkbox"/>
2. Large drops of water fall down on the earth in the form of

(a) Stones <input type="checkbox"/>	(b) Clouds <input type="checkbox"/>
(c) Rain <input type="checkbox"/>	(d) Leaves <input type="checkbox"/>
3. As water vapour rises higher and higher, it gets

(a) Hotter <input type="checkbox"/>	(b) Cooler <input type="checkbox"/>
(c) Warmer <input type="checkbox"/>	(d) None of these <input type="checkbox"/>
4. Flood causes great damage to

(a) Crops <input type="checkbox"/>	(b) Animals <input type="checkbox"/>
(c) Humans <input type="checkbox"/>	(d) All of these <input type="checkbox"/>
5. Transpiration is the process of

(a) Absorbing water by plants	<input type="checkbox"/>
(b) Making food by green plants	<input type="checkbox"/>
(c) Seeping of rainwater under the ground	<input type="checkbox"/>
(d) Loss of water by plants in the form of water vapour	<input type="checkbox"/>
6. We can conserve water by

(a) Using a shower instead of a bucket	<input type="checkbox"/>
(b) Letting the water run while brushing	<input type="checkbox"/>
(c) Adopting rainwater harvesting	<input type="checkbox"/>
(d) Making sure that our house has all leaky taps	<input type="checkbox"/>

E. Very short answer questions.

1. Why is water essential for life?

2. List any four uses of water.

3. What are the various sources of water on the earth?

4. Name the process by which plants and animals release water vapour.

5. Why do we need to conserve water?

F. Short answer questions.

1. What is

(a) landslide?

(b) ground water?

2. Differentiate between the following:

(a) Drought and Flood

FLOOD	DROUGHT

(b) Evaporation and Condensation

EVAPORATION	CONDENSATION

3. What is water cycle?

4. How does sea water become saline?

5. What do you understand by 'rainwater harvesting'?

6. What are the three processes by which water vapour enters the air? Define them also.

G. Long answer questions.

1. How is rainwater collected? Explain.

2. What are the various ways by which we can conserve water?

3. List the effects of drought.

4. List the effects of flood.

5. What happens to the water vapour that mixes with the air?

6. Draw a well-labelled diagram of water cycle in nature.



HOME ASSIGNMENT

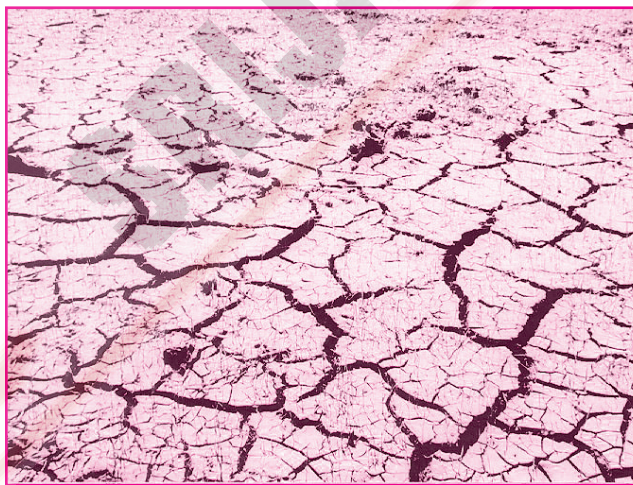
H. Think and answer.

1. Sea water is unfit for drinking as well as irrigation purposes. Why?

2. Manjari is suffering from jaundice. Can you think of a reason for this infection?

3. Why does the rainwater collected in tanks with the help of pipes need to be filtered?

4. Look at the figure.



- (a) Which condition is being depicted in the picture—a drought or a flood?

- (b) What do you think is the cause of such a condition?

(c) Why do people living in areas affected by this condition may migrate to other areas?

(d) Do you think the crop yield in such areas is affected in any way? How?

WORKSHEET

I. Give reasons for the following.

1. If we place icecubes in a glass, we find droplets of water on the outer surface of the glass.

2. Storage tanks used to cover rainwater must have a tight cover.
