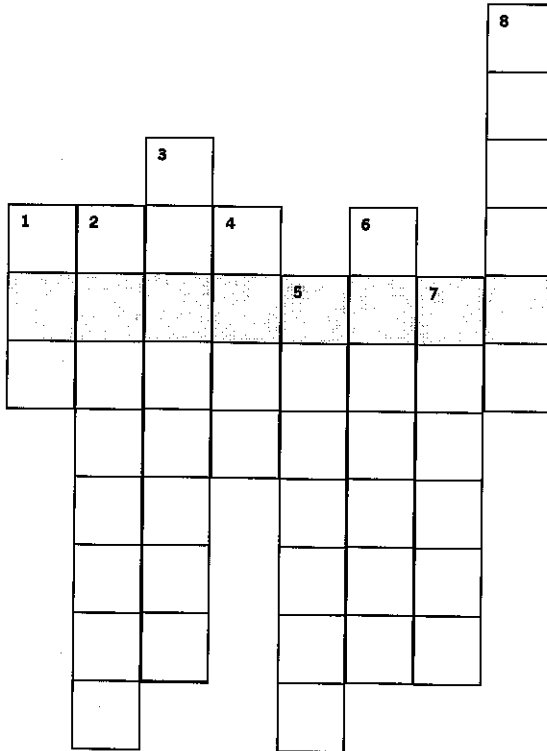


# 9

## WORKSHEET 1 THE HYDROSPHERE

NAME: \_\_\_\_\_ CLASS: \_\_\_\_\_ DATE: \_\_\_\_\_

- 1** Complete the text about water to find the crossword answers. Find the hidden property of water in the crossword.



Water in solid form is called, **1.** \_\_\_\_\_.

When water freezes it **6.** \_\_\_\_\_,

unlike other substances.

It is made up of one **2.** \_\_\_\_\_

of hydrogen and two of **7.** \_\_\_\_\_.

Water molecules are attracted to other molecules.

This is called **3.** \_\_\_\_\_.

Water moderates the Earth's climate by absorbing

**4.** \_\_\_\_\_.

It dissolves rock components because it is a powerful **5.** \_\_\_\_\_.

Our planet looks blue from space because of all the water

in the **8.** \_\_\_\_\_.

The hidden property of water is \_\_\_\_\_.

- 2** Complete the sentences with compound nouns from the box.

sea level    rock erosion    water courses    water molecules    sea water    river valleys

**1.** \_\_\_\_\_ are attracted to each other and to other substances.

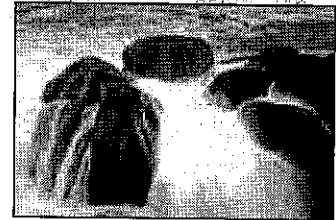
**2.** \_\_\_\_\_ contains dissolved gases and salts.

**3.** Tides are the periodic rise and fall of the \_\_\_\_\_.

**4.** One of the results of wave action is \_\_\_\_\_.

**5.** Streams and torrents are \_\_\_\_\_ fed by rain.

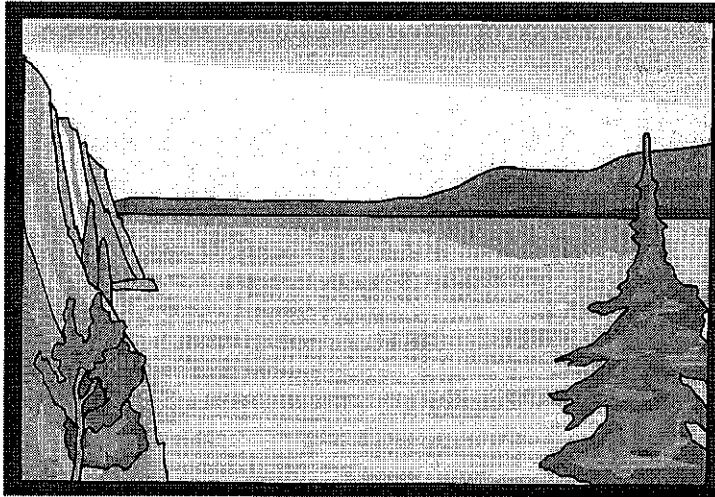
**6.** \_\_\_\_\_ are also created by the action of water as it erodes rocky banks.



# 9

## WORKSHEET 2 THE HYDROSPHERE

NAME: \_\_\_\_\_ CLASS: \_\_\_\_\_ DATE: \_\_\_\_\_



### 1 Match the questions and answers.

- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1. Where do glaciers originate?</li> <li>2. What are wetlands?</li> <li>3. How much of the water on Earth is fresh water?</li> <li>4. What happens when water freezes?</li> <li>5. What does water leave when it evaporates?</li> <li>6. What does the temperature of sea water vary with?</li> <li>7. Where do waves occur?</li> <li>8. What do ocean currents move like?</li> <li>9. What is groundwater?</li> <li>10. Where is most surface fresh water located?</li> </ol> | <ol style="list-style-type: none"> <li>a. Water located beneath the surface of the ground</li> <li>b. Areas of marshlands and swamps.</li> <li>c. Mineral salt deposits.</li> <li>d. On the surface of water.</li> <li>e. It dilates.</li> <li>f. Like rivers through the sea.</li> <li>g. On mountain tops.</li> <li>h. In lakes.</li> <li>i. 3%.</li> <li>j. Depth.</li> </ol> |
|---|--|

### 2 Put the words in order and write correct sentences.

1. Earth both and salt fresh water be found can on.  
Both \_\_\_\_\_
2. Water covers of the but only is planet 68.7 % fresh water 3%  
Water \_\_\_\_\_
3. in the atmosphere and in living things water 0.9 % of fresh is  
0.9 % \_\_\_\_\_
4. 2 % surface water is human fresh consumption for fit of  
2 % \_\_\_\_\_
5. beneath groundwater Earth is fresh water located the surface of the  
Groundwater \_\_\_\_\_

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# 9

## WORKSHEET 3 THE HYDROSPHERE

NAME: \_\_\_\_\_ CLASS: \_\_\_\_\_ DATE: \_\_\_\_\_

**1 Write these words associated with the processes of the water cycle in the correct columns.**

rain clouds hail groundwater water vapour from the hydrosphere to the atmosphere  
from the leaves and stems of plants rivers and streams porous ground snow dew

### The water cycle

Evaporation	Evapotranspiration	Condensation	Precipitation	Surface run off	Infiltration
			rain		

**2 Read the descriptions and identify the stages of the water cycle. Then put them in order.**

- a.  \_\_\_\_\_: The leaves and stems of plants release water into the atmosphere.
- b.  \_\_\_\_\_: A lot of water also filters into the ground, especially in places where the ground is porous.
- c.  \_\_\_\_\_: Water passes from the hydrosphere to the atmosphere as it changes to a gas.
- d.  \_\_\_\_\_: The water held in the clouds falls to the ground in the form of rain, snow or hail.
- e.  \_\_\_\_\_: Clouds and dew are formed when water vapour changes to liquid.
- f.  \_\_\_\_\_: Water on the surface of the Earth moves across the land and into rivers and streams.

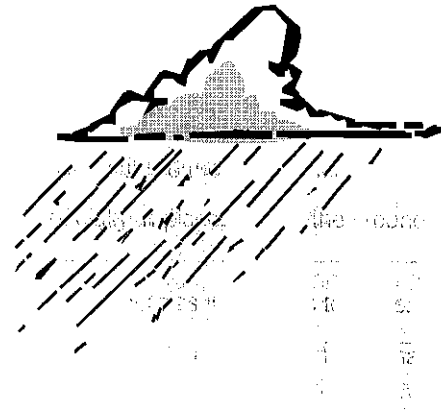
**3 Answer the questions in pairs.**

1. List different forms in which water can be found.

Lakes,  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. List four ways of saving water.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



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# 9

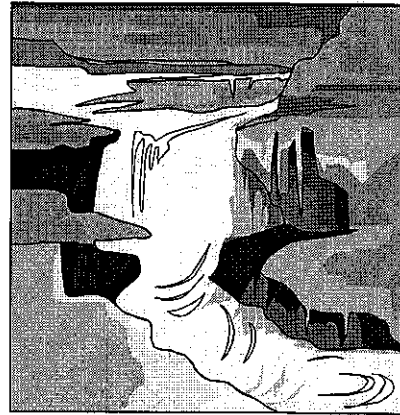
## WORKSHEET 4 THE HYDROSPHERE

NAME: \_\_\_\_\_ CLASS: \_\_\_\_\_ DATE: \_\_\_\_\_

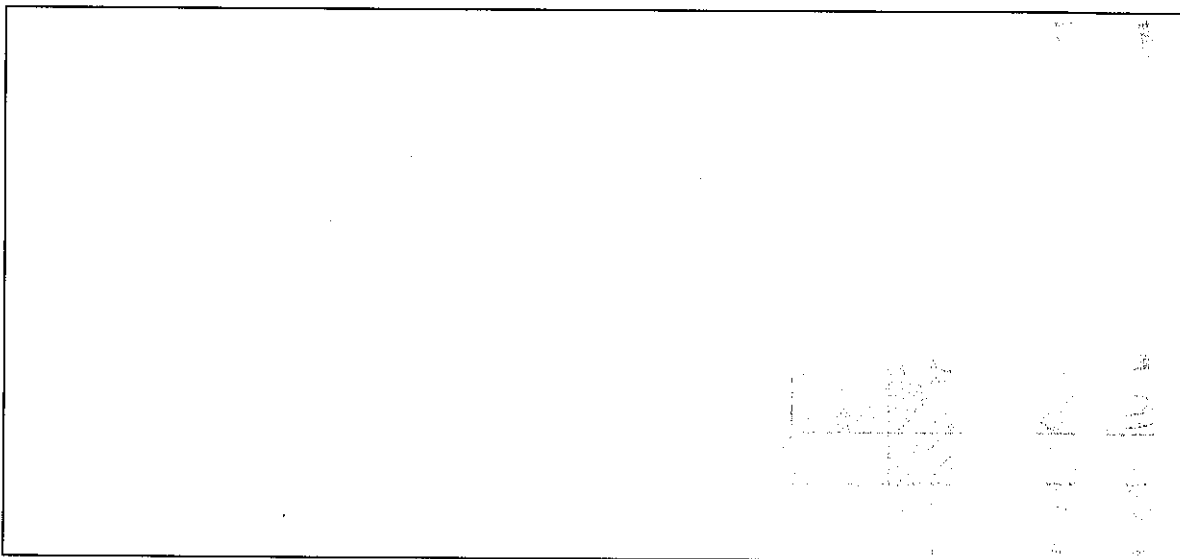
**1** Work in pairs. Take turns to read and classify the sentences. Write the numbers in the boxes.

Fresh water	Salt water	Properties of water	Uses of water
		1	

1. It is a powerful solvent which can dissolve many components of rock.
2. It is used in many industrial processes.
3. About 0.9% of it is found in the atmosphere and in living things.
4. It is used for human and animal consumption.
5. It contains dissolved salts, mainly in the form of chlorides and sulphates.
6. At room temperature, it flows because its molecules move freely.
7. Groundwater accounts for 30.9 % of it.
8. Oil refineries consume enormous amounts of it.
9. It is poisonous if you drink too much, and can kill you within days.
10. It can also exist as a solid and a gas.
11. Only 0.3 % of it is found on the surface of the Earth.
12. The largest body of it is the Pacific Ocean.



**2** Draw a picture to illustrate one of the above sentences.



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# 9

TEST 9

## THE HYDROSPHERE

NAME: \_\_\_\_\_ CLASS: \_\_\_\_\_ DATE: \_\_\_\_\_

### 1 Circle the correct answer.

1. The largest amount of water on Earth is found (a) in the ground (b) at the Poles (c) in the oceans.
2. Only (a) 11 % (b) 2 % (c) 0.9 % of surface fresh water is found in rivers.
3. In swamps, the ground is (a) frozen all year long (b) inundated all year (c) inundated during the summer months.
4. Water (a) absorbs heat in summer and emits heat in winter (b) absorbs heat all year round (c) absorbs heat in winter and emits heat in summer.
5. When water freezes (a) its mass increases (b) its weight increases (c) its volume increases.
6. Ocean currents are produced by wind, differences in temperature and (a) erosion (b) differences in salinity (c) the gravitational attraction of the Moon.
7. During evaporation, water passes from (a) the atmosphere to the hydrosphere (b) the hydrosphere to the atmosphere (c) the surface of the Earth to under the ground.
8. When water condenses it forms clouds and (a) dew (b) rain (c) hail.
9. Sewage originates mainly in (a) towns and cities (b) the countryside (c) industrial areas.
10. In an experiment, when the variables for the participating elements are the same, we say that they are (a) dependent (b) independent (c) controlled.

### 2 Read the text and answer the questions.

#### *A precious resource*

Water is a finite resource which cannot be created or synthesized. Your body loses 1.5 to 2 litres of water through sweat, urine and respiration. You need to drink at least an equivalent amount of fluids to replace it for the correct maintenance of the body's systems.

If there are six thousand million people on Earth, twelve million cubic metres of fresh water are needed every day just to provide enough drinking water for everyone! So, we should all try to reduce water consumption by adopting simple everyday habits. For example, take showers instead of baths, turn off the tap when brushing your teeth, fill dishwashers and washing machines before using them. You can install water-saving devices in the shower head and lavatory cistern. If water in your town was suddenly rationed, you would be amazed at how many things you can do with a small amounts of it!

1. Why do we need to drink water?

\_\_\_\_\_

\_\_\_\_\_

2. How much water is needed on Earth each day?

\_\_\_\_\_

3. Write three ways of saving domestic water.

\_\_\_\_\_

\_\_\_\_\_

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