







TEACHER GUIDE

•	Assessment Rubric	4
•	How Is Our Resource Organized?	5
•	Bloom's Taxonomy for Reading Comprehension	6
•	Vocabulary	6

STUDENT HANDOUTS

Reading Comprehension

	1. What Is Fresh Water?	
	2. Where Is Fresh Water?	
	3. How Climate Change Can Affect Fresh Water	
	4. How The Amount Of Fresh Water Could Change	
	5. How The Purity Of Fresh Water Could Change	
	6. How The Changes In Fresh Water Could Change Our Lives	
	7. Conservation: What We Can Do	7
	8. Graphic Organizer	13
	Hands-on Activities	14
	• Crossword	18
	• Word Search	19
	Comprehension Quiz	20
EZY	EASY MARKING™ ANSWER KEY	22
	MINI DOCTEDO	34

✓ 6 BONUS Activity Pages! Additional worksheets for your students

- Go to our website: www.classroomcompletepress.com/bonus
- Enter item CC5773 Conservation: Fresh Water Resources
- Enter pass code CC5773D for Activity Pages





Defore Out 10ead	10eadilla 1929ade
Conservation: What We Can Do	Conservation: What We Can Do
1. Put a check mark (/) next to the answer that is most correct.	
a) What are ice bergs made of?	here are many things that can be done to help solve the problem of the
O A solid salt water.	shortage of fresh water. None of these
O B solid fresh water.	will probably be a solution by itself. First we will look at water conservation . It is often possible
O c liquid salt water. O p liquid fresh water.	to get the same benefit from a smaller amount
b) Which of these is <i>not</i> a possible solution to a shortage of fresh water?	of water. The only thing we can't do is drink less water, and that is a very small part of the
O A Use less water.	world's water need.
O B Find more water. O C Drink less water.	Seventy per cent of fresh water is used to irrigate crops. Only the roots of plants need
O c Drink less water. O D Transport water.	water, but when plants are watered by flooding
c) Most fresh water is used to:	the fields or by spraying with sprinklers, much of the water either misses the roots or evaporates.
O A irrigate crops.	Drip irrigation can prevent much of this loss save 50% water by carrying water in hoses to each plant and
O B supply factories. O c wash clothing.	dripping it just above the roots from small
O p take baths.	outlets. Fertilizer can also be added to the drip water, reducing hazardous runoff into streams. Some farmers further prevent evaporation loss by covering the ground with
• • • • • • • • • • • • • • • • • • • •	sheets of plastic that has holes for the plants to grow out of.
2. Circle the word TRUE if the statement is TRUE or Circle the word FALSE	Fresh water use in homes accounts for only about 15% of the total, but conserving this water can also make a difference. Many people now use "low-flow" toilets,
if it is FALSE.a) Some farmers use underground water to irrigate crops.	shower heads, faucets, and other appliances. In general, these devices work just as
TRUE FALSE	well as the older kind and use about half as much water or even less.
b) Some household water could be used twice.	Explain briefly how drip irrigation saves water.
TRUE FALSE c) Some people collect rainwater that falls on their roof.	Top
TRUE FALSE	310
d) "Desalination" means dissolving salt in water.	
 TRUE FALSE e) Fewer than 10% of homes, worldwide, have no water faucet. 	It is also possible to recycle household water that has been used for bathing, laundry, and dishwashing. This water, called "graywater," is less contaminated than water
TRUE FALSE	containing sewage. It can be purified more easily than sewage-containing water and
© CLASSROOM COMPLETE PRESS Conservation: Fresh Water Resources CCP5773-7	© CLASSROOM COMPLETE PRESS 8 Conservation: Fresh Water Resources CCP5773-7
APT as II . Dag I NAME:	NAME: APT and I Dool
After You Read NAME:	NAME: After You Read
Conservation: What We Can Do	Conservation: What We Can Do
Fill in each blank with a word or group of words from the list.	3. Answer the questions in complete sentences.
ice berg rainwater harvesting drip irrigation desalination graywater	a) Describe how drip irrigation conserves water.
a) Collecting and storing water from the roof of a building is called	
b) Scientists have considered towing larges to cities that need fresh	
water.	
c) Water in which someone has taken a bath is considered.	b) Identify the cause of global climate change that people have the ability to change.
d) A major problem withis that in requires a large amount of energy.	
d	
e)saves water by delivering water just to the roots of plants, rather	
than to all the soil in the field.	
•••••••••••	Extensions & Applications
2. Circle the word TRUE if the statement is TRUE or Circle the word FALSE if it	a) Describe one way to get more benefit from the same amount of fresh water.
is FALSE. a) Some farmers save water by covering their fields with sheets of plastic.	
TRUE FALSE	
Half of all fresh water is used in homes.	
TRUE FALSE	b) Describe one way to increase the amount of fresh water available.
c) The best way to stop alimate change is to use less water.	
TRUE FALSE	
Low flow toilets use about half as much water as regular toilets.	

W Reading Passage

NAME: _

NAME: ___

W Before You Read

e) Desalination is a good solution to water shortages in poor countries.

c) Describe two *underlying* causes of the global water shortage.

© CLASSROOM COMPLETE PRESS



Activity Four

Build a Drip Irrigation System

If you have a home garden that you water with a hose or sprinkler, you may want to install a drip irrigation system to conserve water. This is less complicated and expensive than you might think.

You can begin by asking questions at a gardening store, plant nursery, or large hardware store. You can also see drip irrigation equipment at these places. You can get more information by searching libraries and the Internet for "drip irrigation." If you go to the sites of companies that sell drip irrigation equipment over the internet, you can see pictures of all the different parts that make up a drip system. The simplest sets of parts to set up a drip system are not very expensive.

To learn the basics in the easiest way possible, you can begin by running a drip line to just one plant or tree. After you see how this works, you can run branching lines to other parts of your garden.

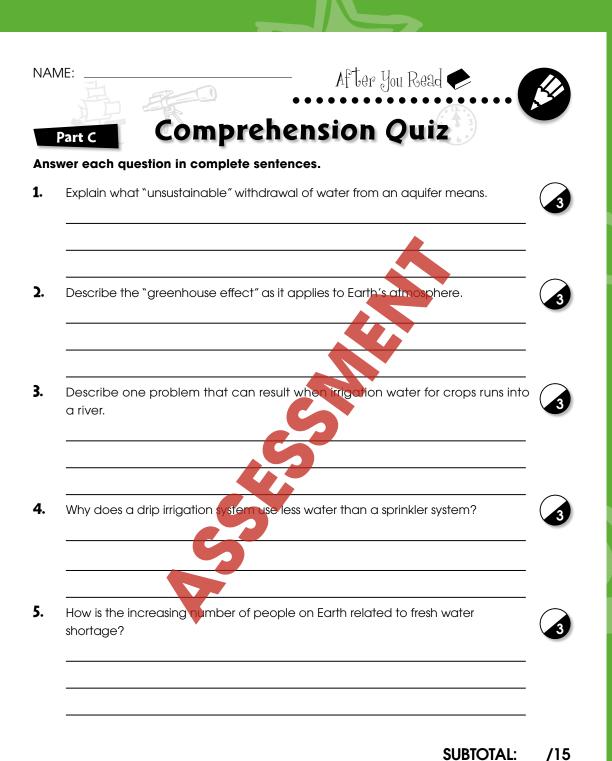
If you don't have a home garden, you could study drip irrigation systems and write a report. These are some things you could include in a report on drip irrigation:

- Pictures or drawings of the different parts of a drip system with explanations of how each part works.
- Diagrams of large and small drip systems.
- Descriptions of systems that irrigate large farms, plant nurseries, and greenhouses.
- Estimates of water and money saved by systems you have visited.
- A description of automated systems that regulate the flow of water to plants.





Conservation: Fresh Water Resources CCP5773-7

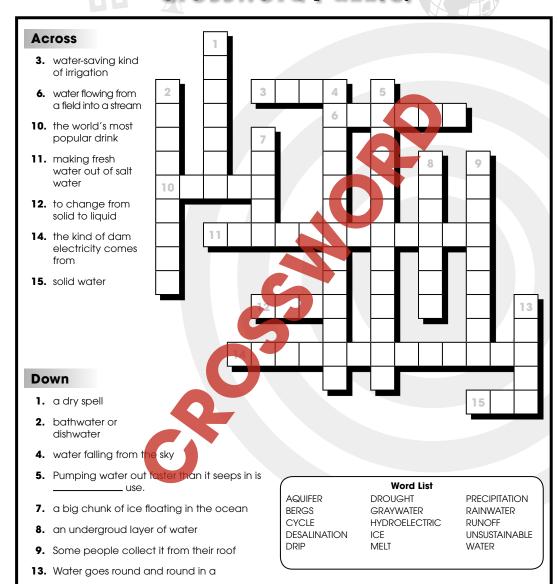




After You Read 🗲

NAME:

Crossword Puzzle!



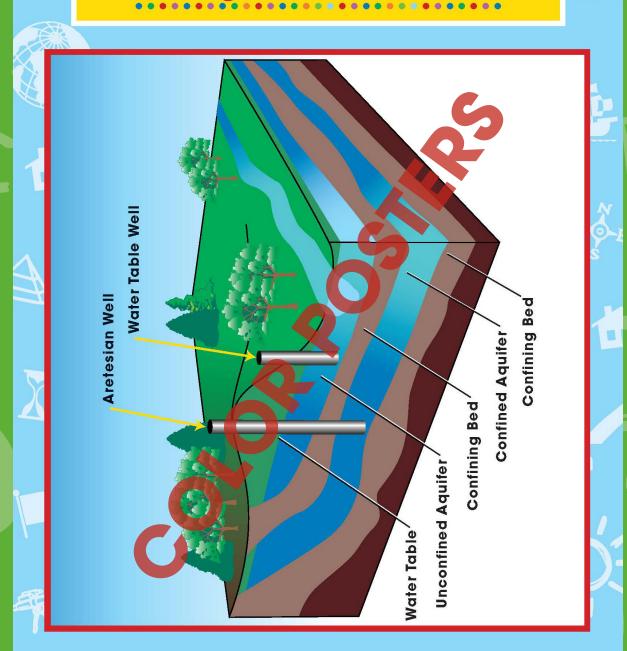
© CLASSROOM COMPLETE PRESS



(Note: For answers of more than one word, do not put a space between the words.)

Conservation: Fresh Water Resources CCP5773-7

Underground Fresh Water





After You Read



Conservation: What We Can Do

- 3. Answer the questions in complete sentences.
 - a) Describe how drip irrigation conserves water.
 - **b)** Identify the cause of global climate change that people have the ability to change.

Extensions & Applications

- a) Describe one way to get more benefit from the same amount of fresh water.
- be one way to increase the amount of fresh water availab
- c) Describe two underlying causes of the global water shortage.
- © CLASSROOM COMPLETE PRESS



Conservation: Fresh Water Resources CCP5773-7

- a) Water is delivered just to the roots of the plants and not to: Evaporation happened the whole field. This takes less water and reduces the amount lost to evaporation.
- **b)** People can reduce the amount of greenhouse gases that enter the atmosphere, which will slow global warming.

ions & Applications

Ar swers will vary:

a) Drip irrigation, graywater recycling, etc.

harvesting, desalination, melt an ice berg, etc.

c) Global population increase and greenhouse gas

Evaporation, and condensation (and perhaps runoff) happened in the jar.

: when the jar was heated, and condensation (and perhaps runoff) happened when the jar was cooled.

> The weight did not change because the water was recycled and did not leave the jar (answers will vary).

The beads of condensed water did not taste salty.



The temperature was higher inside the jar. Light came in, heated the inside, and heat was trapped.



fight over.

- (Answers will vary.) The Jordan, the Nile, the Colorado etc.
 - 16
- (Answers will vary.)





