Contents

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. Conservation	•••••
2. Reduce and Reuse	•••••
3. Recycling	7
4. Composting	
5. Fresh Water Resources	
6. Conserving Fresh Water	
7. Clean Air Resources	
8. Sustainable Living	
Hands-on Activities	12
• Crossword	16
• Word Search	17
Comprehension Quiz	18
EASY MARKING™ ANSWER KEY	20
MINI POSTERS	22
FREE! 6 Bonus Activities!	Activity Tive Market injusted standard Market injusted and standard
EASY STEPS to receive your 6 Bonus Activities!	Activity Four and a control of the c
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1.	Do you h	ave a recyclin	g bin at home?	Do you hav	e one a	t school?	~~~~
	_	_	s do you place i	_			
~~	~~~~	~~~~~	~~~~~	~~~~			~~~~
Cor	nplete ed	ich sentence v	with a word from	the li st. Us	e a dict	ionary to he	lp you.
mix	ture	chemical	sort	landfill		toxic	fibers
a)	A	s	ubstance can c	ause harm to	o people	and wildlife	
/	To L their simile	iarities and diffe	is to place differences.	ent objects o	r materi	als into group	os based
c)	Two or mo	ore different ma	aterials placed to	gether in a	containe	er is	
	а						
d)	Long, thir	strands of plar	nt material are so	metimes ca	lled		<u> </u>
e)	Matter is	made from		compound	ds.		
f)	Α	is	s a facility where	solid waste	is buried		
			he three groups	in the char	t based	on the mate	erials the
can	ke up the	objects.	cardboard	d mag	gazine	sandwi	ch bag
	Pc	iper	Plasti	^		Metal	
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Fill	in each b	lank with the	Recyc	ling m the list b	elow.	NE A	
	in each b	<u> </u>	Recyc	ling	elow.	bauxite nonren	e lewable
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Fill i glas sort a) b) c)	in each bass	sustain recyclin	Recyc correct word fro ability ng is a process in w	m the list be melt energy which materia	als are tu	nonren	ewable
Fill i glassort a) b) c) d)	in each bassed	sustain recycling is made from guses less	Recyce received from the contract word from t	m the list be melt energy which materia	als are tu	nonren	ewable w produc
Fill i glas sort a) b) c) d) e)	in each bessed Aluminum Recycling During re	sustain recycling is made from guses less cycling, objects	Recyce rect word from the contract word from	m the list be melt energy which materia. Then ge	als are tu	nonren	ewable w produc
Fill i gla: sort a) b) c) d) e) f)	Aluminum Recycling During re	sustain recycling is made from guses less cycling, objects	Recyc correct word fro ability ng is a process in w resources are lin a mineral called s are first	m the list be melt energy which materia	als are tu	nonren urned into ner materials. o groups by Il pieces.	ewable
Fill i gla: sort a) b) c) d) e) f) g)	Aluminum Recycling During re To recycle	sustain recycling is made from guses less cycling, objects	Recyc correct word fro ability ng is a process in w resources are life a mineral called a are first lift is f	m the list be melt energy which materia. Then ge	als are tu	nonren	ewable w produc

minum is made into foil.

Aluminum is refined from bauxite.

g) People buy frames in the store.

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Aluminum foil is placed in a recycle bin.

People buy foil in the store and use it to wrap food at home.

NAME: ______Recy





Recycling

How are materials recycled?

uring recycling, products must first be sorted by material. Some of the sorting is done by people as they throw away waste. You might separate paper, glass, plastic, and metals in your own home and school. At

glass, plastic, and metals in your own home and school. At the landfill or recycling facility, workers further sort the wastes by material.

Each recyclable material goes through a different **process**.

Paper is shredded and mixed with water. The mixture is beaten into mush. Then, the water is removed, leaving only the paper fibers. These fibers are heated and pressed with rollers to make new paper.

Glass is crushed into small pieces and melted into liquid Then it is molded into new glass containers. Aluminum and other metals are also melted down. Then, they can be formed into new products.

Did you know that most plastics have a number stamped inside of a recycle symbol? This number gives information about what type of **chemical compounds** that make up the plastic. It also determines the type of material the plastic can be made into when it is recycled.



How can we "close the loop?"

Recycling bottles, cans, and paper is one way to practice sustainability. However, in order for recycling to reduce the amount of resources being used, people must also buy products made from recycled material. When you choose paper made from recycled paper instead of paper made from trees, you are conserving forest resources.

Buying recycled products is often called "closing the loop." The loop, or **product cycle**, begins with raw materials, such as metal. The metal is made into a product that is used, and then recycled. During recycling, the metal is melted down. Then, it is made into a new product. That product can be recycled, and the cycle continues.

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NAME:

3. Explain how the following materials are recycled

a) paper: _____

Recycling



After You Read

KECY	Ching

b)	glass:	
c)	metal:	
Doy	you think it is impo	rtant to buy products made with recycled materials? Explain your
reas	soning.	

Extension & Application

- 5. Learn more about plastics recycling. Research the meaning of the plastics recycling number system. You may use the Internet or library resources. Be sure to find out:
 - the difference between each type of plastic
 - the way in which each type of plastic is recycled
 - examples of each type of plastic
 - the products that each type of plastic are made into when they are recycled

Create a poster to display the information you learned. Cut out photographs of different plastic products from each group. Write labels for each group to describe the type of plastic, how it is recycled, and what it is made into.

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Recycling Audit

An audit is like a check-up. It is a way to make sure everything is going the way For a recycling audit, you will check around your school to make sure everyt be recycled is getting recycled.



Research the things that can be recycled in your area. Call your local waste management company and find out what things people can recycle. Ask if they have special recycling services for large groups, such as schools. Talk to your assistant principal or operations manager about what recycling programs are in place at your school. Be sure to ask about:

- Recycling paper, cardboard, and magazines
- Recycling metals—which ones are collected?
- Recycling plastics—what numbers are collected?
- How hazardous wastes are handled, and whether they have to be dropped off at a special site
- Whether programs are in place for composting organic matter such as food scraps and yard waste

Based on the information you learn, write a checklist for your audit. The checklist should contain a list of all of the recycling practices in each room (classrooms, lunch room, library, offices, etc). Which recycling bins are supposed to be placed in each room? Are they being used properly? Are there instructions on exactly what to place in each bin? Are there signs reminding people what to do with their hazardous or organic waste?



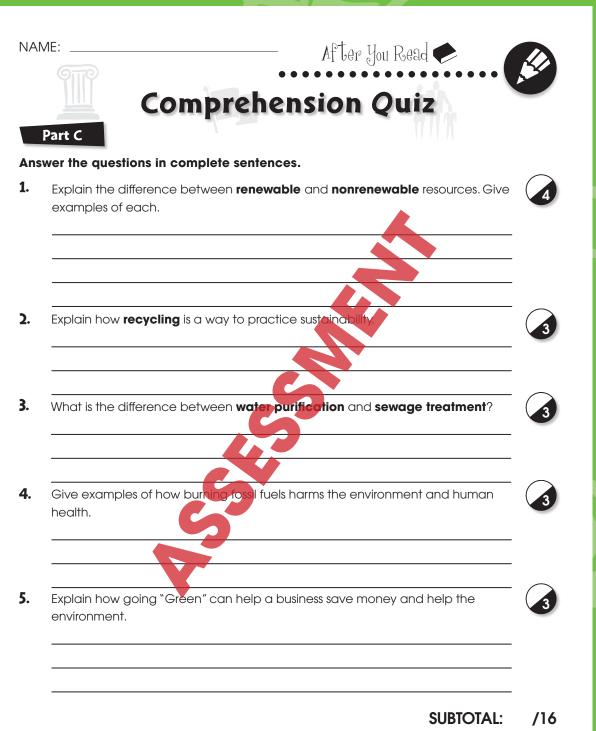
Conduct your audit. Be sure to use your checklist and check each room in the school. Once you have all of your checklists, analyze the results. What is being done well? What is being done poorly, or not at all? What trends have you observed?



Publish your results. Write a brief, one- to two-page report to hand out to all of the staff, and to post in each of the classrooms. In your report, include the answers to the above questions, as well as recommendations as to how your school community can improve in recycling.

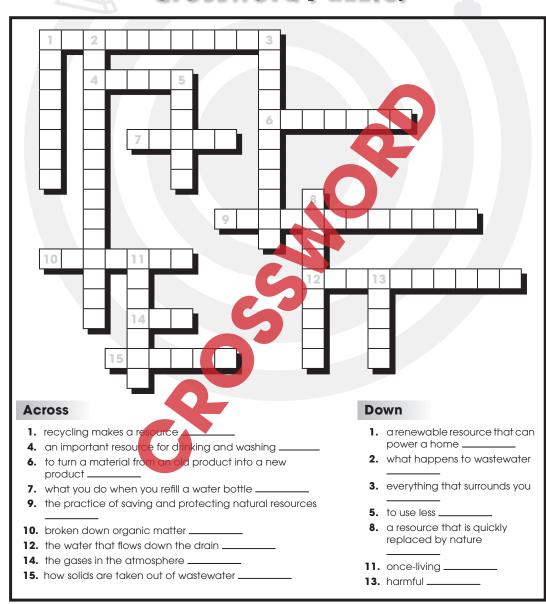








Crossword Puzzle!



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Conservation Methods









After You	Read 🗨
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NAME:

Recycling

	1.	Fill in	each	blank	with t	he	correct	word	from	the	list	below
--	----	---------	------	-------	--------	----	---------	------	------	-----	------	-------

SOI	ıss ted	sustainability recycling	melt energy	bauxite nonrenewable
a)		is a proce	ess in which materials are	turned into new products.
b)		resources	s are limited.	
c)	Aluminur	m is made from a mineral c	called	
d)	Recycling	g uses less	than getting rc	ıw materials.
e)	During re	ecycling, objects are first	ir	nto groups by material.
f)	To recycl	е	, it is first crushed into sm	all pieces.
g)	The first s	tep in recycling metals is to	D	them.
0,				
h)	Recyclin	g is one way to practice		
	Number	the events from 1 to 7 in	the order they occur in	the cycle of
h)	Number	the events from 1 to 7 in many products. Aluminum is melted dow		
h)	Number	the events from 1 to 7 in markets.	n and made into frames	
h)	Number aluminum	the events from 1 to 7 in m products. Aluminum is melted down bauxite is mined.	n and made into frames	
h)	Number aluminum b) b) c)	the events from 1 to 7 in m products. Aluminum is melted down and beautiful and beaut	n and made into frames. bil. n a recycle bin.	
h)	Number aluminum (a) (b) (c) (d)	the events from 1 to 7 in m products. Aluminum is melted down and be be a second or s	n and made into frames. Dil. The a recycle bin. bauxite.	CINC

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