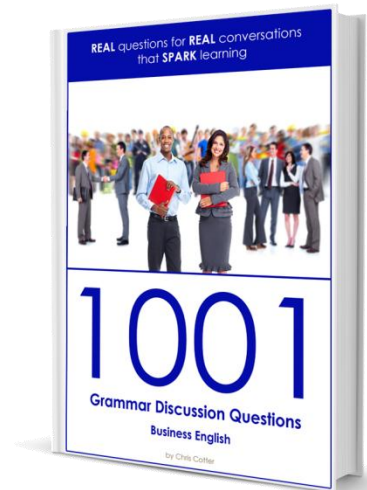
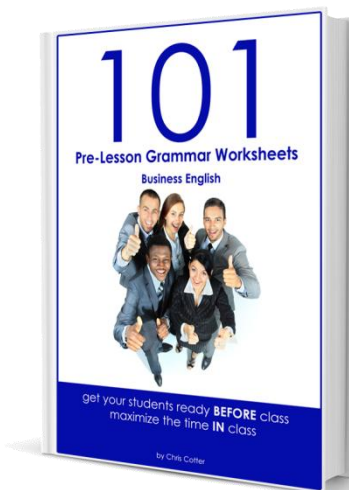
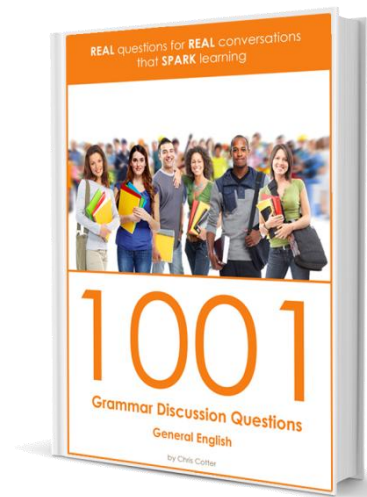
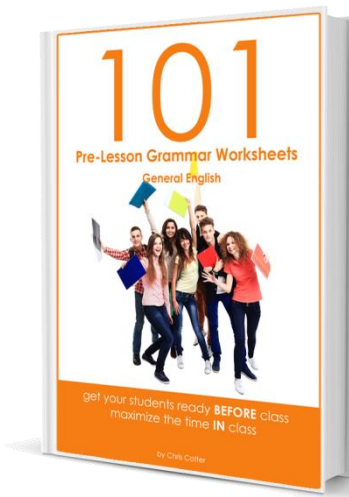
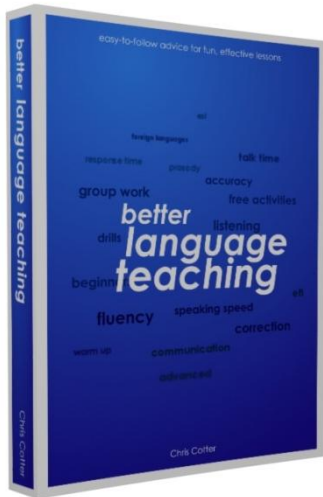


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the ARTICLE (for teachers)

Bottled Water is Bad

In the past twenty years, sales of bottled water have gone through the roof and quadrupled. In the US alone, sales accounted for \$11.7 billion in 2007, which was the year of record dollar sales, as more and more people make health-conscious decisions to buy water instead of soda, sugary juices, and caffeinated beverages. However, one liter of bottled water produces as much as half a pound of greenhouse gases once the plastic is produced and the product shipped halfway around the world. Tally all the water consumed in the US, and you could power 250,000 homes for a full year. It's a drain on and an unnecessary use of resources.

Bottled water has its place, though. It provides a healthy alternative at large events, for example, where people will need to purchase drinks anyway. In areas without access to potable water sources, bottled water is a boon. Yet too many people reach for bottled water rather than tap water at home. The latter is every bit as healthy as the former, and costs a lot less. What's more, most people would be hard pressed to discern any difference between the two. In taste tests at Ithaca College in New York, tap water beat out bottled water four out of five times.

Many people recycle the plastic, which of course helps the environment. Yet far too many plastic bottles still end up in landfills - in the US, 3900 million pounds (1770 million kilograms). Many states in the US don't have a redemption policy on plastic, which exacerbates the problem. More importantly, though, people should strive to reduce resource consumption, reuse resources whenever feasible, and lastly recycle resources. All those empty water bottles simply don't allow that.

Teacher's Notes:

* Underlined words in red typeface are the recommended vocabulary for this lesson.

WARM-UPS

Select one or all of the following warm-up activities.

1: **Define:** What does "landfill" mean? Can you use it in a sentence? Can you give examples?

2: **Brainstorm:** Brainstorm with a partner(s) words and ideas associated with "bottled water" for 2 minutes. Spend another 5 minutes or less discussing the words and ideas together.

3: **Title:** Speculate and/or discuss the contents of today's article from its title: "Bottled Water is Bad."

4: **Do you agree or disagree? Why?**

a.	Tap water is better than bottled water.
b.	There is a big difference in taste among the varieties of bottled water.
c.	I drink at least five bottles of water every day.
d.	Bottled water is a waste of resources.
e.	I recycle the plastic from bottled water.

5: **Rank It!** Which of the following wastes the most resources? Rank the activities in order and support your decisions.

a.	driving SUVs
b.	drinking bottled water
c.	hunting whales
d.	throwing away uneaten food
e.	traveling around the world by plane

VOCABULARY

Select one of the following vocabulary acquisition activities.

1: Vocabulary match: Individually or in pairs/groups, match the words in column A (from the article) with the best choice in column B.

a.	quadruple	q.	total
b.	conscious	r.	exchange
c.	tally	s.	drink
d.	alternative	t.	aware
e.	potable	u.	possible
f.	boon	v.	perceive
g.	discern	w.	worsen
h.	redeem	x.	different
i.	exacerbate	y.	four times
j.	feasible	z.	benefit

2: Fill in the Blanks: Fill in the blank with the correct word.

	alternative	quadrupled	feasible	exacerbates	potable
	discern	tally	boon	conscious	redemption
a.	Sales of bottled water have gone through the roof and ().				
b.	People make health-() decisions to buy water instead of soda and caffeinated beverages.				
c.	() all the water consumed in the US, and you could power 250,000 homes for a full year.				
d.	Bottled water has its place. It provides a healthy () at large events, for example				
e.	Some areas are without access to () water sources.				
f.	Bottled water is a ().				
g.	Most people would be hard pressed to () any difference between bottled water and tap water.				
h.	Many states in the US don't have a () policy on plastic.				
i.	No policy on plastic in many states () the problem.				
j.	People should strive to reduce resource consumption, reuse resources whenever ().				

3: Define: Define each word, correctly pronounce it, explain the meaning and/or usage, and offer an example sentence to the class.

a.	quadruple	c.	tally	e.	potable	g.	discern	i.	exacerbate
b.	conscious	d.	alternative	f.	boon	h.	redeem	j.	feasible

WORD RECOGNITION

1: Word Search: Find the target words (in bold). Time yourself, and see how many words you can find in three minutes. In five minutes. In ten minutes.

alternative discern	quadrupled tally	feasible boon	exacerbates conscious	potable redemption
L O C M J X D Y M K A A D F N H R B N Q L L O V L P B E E R K K T J L L W W T S U W L A E A S F L A O I E G R A P P S C Z S E T A B R E C A X E U I S F G O T D N F V A I N B R B I H A G Q A X C M E O P C D L D T C I T S B Q O I L O A A E Z S X I T R I R T N N B L U G B R V B O O N P E C S Y A Q H K E L K U P M I I S Y C F T Q N U N I U E V O Z K A N I A O O Q A U D R U P L E D X M O C P F L E Q S O J S C N Q E M U F H R E L B A T R O P G A P G S				

2: Target Word Pool: Find the target words (in bold) with their exact match. Time yourself, and see how many words you can find in three minutes. In five minutes. In ten minutes.

alternative discern	quadrupled tally	feasible boon	exacerbates conscious	potable redemption
exacerbate tally boons portable unfeasible redemption unredeemable alternatively quad conscience quadrupled potent discerned feet exacerbates inadvisable quadruple inadvertently tallying boom discernible unbound unredeemed feasibility impossible tallied consciously discern exacerbates consciousness possible untenable alternative exhausted duplex exacerbating potable redemptions feasible indiscreet redeemable quadrupling bond alternatives tarry conscious fashionable unconscious boon discerning				

pre- or post-COMPREHENSION

1: Word Association: Brainstorm words associated with today's topic for two minutes. Present to the class.

2: Brainstorm Questions: Brainstorm questions that you would like to ask about today's topic. Answer the questions without looking at the article.

3: True or False?: Guess (before the article) or answer (after the article) whether the sentence is true or false. If false, correct the sentence.

a.	People drink bottled water for health reasons.	T / F
b.	Bottled water is a waste of resources and has no useful value.	T / F
c.	Most people can taste the difference between bottled water and tap water.	T / F
d.	Many people recycle plastic, so bottled water doesn't end up in landfills.	T / F
e.	It's best to reduce, reuse, and recycle resources, in that order.	T / F

4: Questions: Answer the questions to check comprehension.

a.	What has happened to sales of bottled water?
b.	Why do people choose to drink bottled water?
c.	In what situations is bottled water useful?
d.	How does the article know that people can't taste the difference between bottled water and tap water?
e.	How many plastic bottles end up in landfills?

5: Vocabulary: In pairs/groups, remember how the words were used in today's article.

a.	quadrupled	c.	tally	e.	potable	g.	discern	i.	exacerbates
b.	conscious	d.	alternative	f.	boon	h.	redemption	j.	feasible

6: Fragments: Remember how the fragments were used, and complete the sentence from today's article.

a.	In the past twenty years, sales of bottled water have...
b.	Tally all the water consumed in the US, and you could...
c.	Yet too many people reach for...
d.	Many people recycle the plastic, which...
e.	Many states in the US don't have a redemption policy on plastic, which...

post-COMPREHENSION

1: Vocabulary: Circle any additional unknown words/phrases in the article. In pairs/groups, use your dictionaries to understand the meanings. Present to the class.

2: Class Questions: Read through the article once more, and write down any questions that you would like to discuss in pairs/groups or as a class. Discuss.

3: Summarize: Work with a partner to summarize the article in your own words.

4: Discuss: Talk about the following questions in pairs/groups. Remember to support your answers!

a.	Did you like this article?
b.	What was your general impression after reading this article?
c.	Do you drink bottled water? If yes, how much? If no, why don't you drink it?
d.	How concerned are you with plastic bottles and their use of resources? Why?
e.	Will this article cause you to stop buying bottled water? Why/not?
f.	What do you do to protect the environment? Is it enough? Please explain.
g.	What problem causes the greatest damage to the environment? Why do you think so?
h.	Do you agree that it's best to reduce, reuse, and recycle resources? Why/not?
i.	If we continue to use resources and pollute, what will the world be like in fifty years? Please explain.
j.	Were you surprised by how much Americans pollute? Why/not? How does your country compare?

5: Discuss: People should reduce, reuse, and recycle resources whenever possible. With a partner discuss how to do this with each item below. Share your answers with another pair of students, and decide on the best course of action for each.

item:	reduce consumption:	reuse resources:	recycle:
plastic bottles			
papers			
oil/gas			
???			

6: Google Search: Type "plastic bottles" into Google news and read additional articles on this topic. Discuss or write an essay about your findings.

STUDENT HANDOUT (the article)

Bottled Water is Bad

In the past twenty years, sales of bottled water have gone through the roof and quadrupled. In the US alone, sales accounted for \$11.7 billion in 2007, which was the year of record dollar sales, as more and more people make health-conscious decisions to buy water instead of soda, sugary juices, and caffeinated beverages. However, one liter of bottled water produces as much as half a pound of greenhouse gases once the plastic is produced and the product shipped halfway around the world. Tally all the water consumed in the US, and you could power 250,000 homes for a full year. It's a drain on and an unnecessary use of resources.

Bottled water has its place, though. It provides a healthy alternative at large events, for example, where people will need to purchase drinks anyway. In areas without access to potable water sources, bottled water is a boon. Yet too many people reach for bottled water rather than tap water at home. The latter is every bit as healthy as the former, and costs a lot less. What's more, most people would be hard pressed to discern any difference between the two. In taste tests at Ithaca College in New York, tap water beat out bottled water four out of five times.

Many people recycle the plastic, which of course helps the environment. Yet far too many plastic bottles still end up in landfills - in the US, 3900 million pounds (1770 million kilograms). Many states in the US don't have a redemption policy on plastic, which exacerbates the problem. More importantly, though, people should strive to reduce resource consumption, reuse resources whenever feasible, and lastly recycle resources. All those empty water bottles simply don't allow that.

Notes:

STUDENT HANDOUT (fill in the blank)

Fill in the blank with the correct word.

unnecessary	quadrupled	discern	potable	latter
exacerbates	latter	tally	feasible	boon
alternative	redemption	roof	environment	conscious

Bottled Water is Bad

In the past twenty years, sales of bottled water have gone through the (a. _____) and (b. _____). In the US alone, sales accounted for \$11.7 billion in 2007, which was the year of record dollar sales, as more and more people make health-(c. _____) decisions to buy water instead of soda, sugary juices, and caffeinated beverages. However, one liter of bottled water produces as much as half a pound of greenhouse gases once the plastic is produced and the product shipped halfway around the world. (d. _____) all the water consumed in the US, and you could power 250,000 homes for a full year. It's a drain on and an (e. _____) use of resources.

Bottled water has its place, though. It provides a healthy (f. _____) at large events, for example, where people will need to purchase drinks anyway. In areas without access to (g. _____) water sources, bottled water is a (h. _____). Yet too many people (i. _____) for bottled water rather than tap water at home. The (j. _____) is every bit as healthy as the former, and costs a lot less. What's more, most people would be hard pressed to (k. _____) any difference between the two. In taste tests at Ithaca College in New York, tap water beat out bottled water four out of five times.

Many people recycle the plastic, which of course helps the (l. _____). Yet far too many plastic bottles still end up in landfills - in the US, 3900 million pounds (1770 million kilograms). Many states in the US don't have a (m. _____) policy on plastic, which (n. _____) the problem. More importantly, though, people should strive to reduce resource consumption, reuse resources whenever (o. _____), and lastly recycle resources. All those empty water bottles simply don't allow that.

STUDENT HANDOUT (extended listening)

Listen and fill in the missing sentences. Compare your answers with a partner, and then listen once more.

Bottled Water is Bad

In the past twenty years, sales of bottled water have gone through the roof and quadrupled. In the US alone, sales accounted for \$11.7 billion in 2007, which was the year of record dollar sales, a) _____
_____. However, one liter of bottled water produces as much as half a pound of greenhouse gases once the plastic is produced and the product shipped halfway around the world. Tally all the water consumed in the US, and you could power 250,000 homes for a full year.

b) _____.

Bottled water has its place, though. It provides a healthy alternative at large events, for example, where people will need to purchase drinks anyway. c) _____
_____, bottled water is a boon. Yet too many people reach for bottled water rather than tap water at home. The latter is every bit as healthy as the former, and costs a lot less. What's more, most people would be hard pressed to discern any difference between the two. In taste tests at Ithaca College in New York, tap water beat out bottled water four out of five times.

d) _____. Yet far too many plastic bottles still end up in landfills - in the US, 3900 million pounds (1770 million kilograms).

e) _____, which exacerbates the problem. More importantly, though, people should strive to reduce resource consumption, reuse resources whenever feasible, and lastly recycle resources. All those empty water bottles simply don't allow that.

STUDENT HANDOUT (notes)

ANSWER KEY

Vocabulary

1. Vocabulary Match:

a.	y	f.	z
b.	t	g.	v
c.	q	h.	r
d.	x	i.	w
e.	s	j.	u

2. Fill in the Blanks:

a.	quadrupled	f.	boon
b.	conscious	g.	discern
c.	Tally	h.	redemption
d.	alternative	i.	exacerbates
e.	potable	j.	feasible

pre- or post-Comprehension

1. True or False:

a.	T
b.	F
c.	F
d.	F
e.	T

2. Fragments:

a.	gone through the roof and quadrupled.
b.	power 250,000 homes for a full year.
c.	bottled water rather than tap water at home.
d.	of course helps the environment.
e.	exacerbates the problem.

Student Handout

1. Fill in the Blanks

a.	roof	i.	reach
b.	quadrupled	j.	latter
c.	conscious	k.	discern
d.	Tally	l.	environment
e.	unnecessary	m.	redemption
f.	alternative	n.	exacerbates
g.	potable	o.	feasible
h.	boon		

2. Extended Listening

a.	as more and more people make health-conscious decisions to buy water instead of soda, sugary juices, and caffeinated beverages
b.	It's a drain on and an unnecessary use of resources
c.	In areas without access to potable water sources
d.	Many people recycle the plastic, which of course helps the environment
e.	Many states in the US don't have a redemption policy on plastic