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# Level 3 Worries about microplastics in our seafood

#### 26th January, 2017

http://www.breakingnewsenglish.com/1701/170126-microplastics.html

### Contents

The Article	2	Discussion (Student-Created Qs)	14
Warm-Ups	3	Language Work (Cloze)	15
Before Reading / Listening	4	Spelling	16
Gap Fill	5	Put The Text Back Together	17
Match The Sentences And Listen	6	Put The Words In The Right Order	18
Listening Gap Fill	7	Circle The Correct Word	19
Comprehension Questions	8	Insert The Vowels (a, e, i, o, u)	20
Multiple Choice - Quiz	9	Punctuate The Text And Add Capitals	21
Role Play	10	Put A Slash ( / ) Where The Spaces Are	22
After Reading / Listening	11	Free Writing	23
Student Survey	12	Academic Writing	24
Discussion (20 Questions)	13	Homework	25
		Answers	26

#### Please try Levels 0, 1 and 2 (they are easier).



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## THE ARTICLE

From <a href="http://www.BreakingNewsEnglish.com/1701/170126-microplastics.html">http://www.BreakingNewsEnglish.com/1701/170126-microplastics.html</a>

People who eat seafood may be also eating tiny pieces of plastic. The small pieces of plastic are called microplastics. They are tiny pieces of plastic from the waste and garbage that are in the seas and oceans. They are usually less than a millimeter wide. They are becoming more and more common in seafood such as oysters and mussels as well as other kinds of shellfish. Scientists say there are more than five trillion pieces of microplastic in our oceans. More and more are being added every day. Professor Richard Thompson, a marine biologist at Exeter University, said: "Hundreds of marine organisms encounter plastic at the sea surface or in the water...and many of those encounters are harmful if not fatal."

Researchers from the University of Ghent in Belgium conducted a study into microplastics and marine life. They believe people eat up to 11,000 pieces of plastic in their food each year. The researchers said that only around 60 of these pieces stay in our body and the rest will disappear down the toilet. Sixty pieces of microplastic may not seem a lot but it will build up over time. They could eventually be bad for our health. Things are likely to get worse. The researchers added that by the end of the century, seafood eaters could consume as many as 780,000 pieces of plastic a year. That is likely to cause many health problems. Scientists say we need to recycle more and find alternatives to plastic.

Sources: http://news.sky.com/story/microplastics-in-seafood-could-be-a-health-risk-experts-fear-10739835 http://www.independent.co.uk/environment/why-recycle-plastic-rubbish-oceans-8-million-tonnespollution-microplastics-a7541476.html http://www.cambridgenetwork.co.uk/news/study-shows-wider-impact-of-microplastics/

#### WARM-UPS

**1. SEAFOOD:** Students walk around the class and talk to other students about seafood. Change partners often and share your findings.

**2. CHAT:** In pairs / groups, talk about these topics or words from the article. What will the article say about them? What can you say about these words and your life?

seafood / plastic / waste / garbage / oceans / oysters / scientists / marine / biologist / study / researchers / health / disappear / century / problems / recycle / alternatives

Have a chat about the topics you liked. Change topics and partners frequently.

**3. OCEANS & SEAS:** Students A **strongly** believe we should heavily fine nations whose seas are full of plastic waste; Students B **strongly** believe this would not work. Change partners again and talk about your conversations.

**4. ALTERNATIVES:** What could we use for these things instead of plastic? How much better would the alternatives be? Complete this table with your partner(s). Change partners often and share what you wrote.

	Alternatives	How much better
Pens		
Shopping bags		
Drink bottles		
Plates		
Containers		
Car dashboards		

**5. TINY:** Spend one minute writing down all of the different words you associate with the word "tiny". Share your words with your partner(s) and talk about them. Together, put the words into different categories.

**6. RECYCLE:** Rank these with your partner. Put the most important things to recycle at the top. Change partners often and share your rankings.

• plastic bottles

cars

- books
- computers
- furniture

- clothes
- mobile phones
- cups and plates

# **BEFORE READING / LISTENING**

From http://www.BreakingNewsEnglish.com/1701/170126-microplastics.html

#### **1. TRUE / FALSE:** Read the headline. Guess if a-h below are true (T) or false (F).

- a. The article says shellfish love eating tiny pieces of plastic. **T / F**
- b. Microplastics are all less than 0.1mm wide. T / F
- c. Microplastics are becoming more common in oysters and mussels. **T / F**
- d. A marine biologist said microplastics do not harm of kill sea life. T / F
- e. The research was conducted by a university in Malaysia. **T / F**
- f. Researchers say people eat up to 11,000 pieces of microplastic a year. T / F
- g. By 2099, seafood eaters could be eating 780,000 bits of plastic a year. T / F
- h. Scientists say we need to find alternatives to plastic. **T / F**

#### **2. SYNONYM MATCH:**

Match the following synonyms. The words in **bold** are from the news article.

- 1. tiny
- 2. pieces
- 3. garbage
- 4. such as
- 5. encounter
- 6. conducted
- 7. rest
- 8. eventually
- 9. consume
- 10. alternatives

- a. remainder
- b. trash
- c. eat
- d. come across
- e. minute
- f. substitutes
- g. did
- h. bits
- i. in the end
- j. like

#### **3. PHRASE MATCH:** (Sometimes more than one choice is possible.)

- 1. waste and
- 2. more and more common in seafood
- 3. More and more are being
- 4. at the sea surface or
- 5. many of those encounters are harmful
- 6. the rest will disappear down
- 7. Things are likely
- 8. by the end
- 9. likely to cause
- 10. recycle more and find alternatives

- a. of the century
- b. if not fatal
- c. to get worse
- d. to plastic
- e. garbage
- f. added every day
- g. many health problems
- h. in the water
- i. the toilet
- j. such as oysters

### **GAP FILL**

From http://www.BreakingNewsEnglish.com/1701/170126-microplastics.html

People who eat seafood (1) \_\_\_\_\_ be also eating tiny common pieces of plastic. The small pieces of plastic are (2) mav microplastics. They are tiny pieces of plastic from the waste and added garbage that are in the seas and (3) . They are oceans usually less than a millimeter wide. They are becoming more and fatal more (4) \_\_\_\_\_ in seafood such as oysters and mussels as well as other kinds of shellfish. Scientists say there are more called than five (5) \_\_\_\_\_ pieces of microplastic in our oceans. trillion More and more are being (6) \_\_\_\_\_\_ every day. Professor marine Richard Thompson, a (7) \_\_\_\_\_ biologist at Exeter University, said: "Hundreds of marine organisms encounter plastic at the sea surface or in the water...and many of those encounters are harmful if not (8) \_\_\_\_\_."

Researchers from the University of Ghent in Belgium eventually (9) a study into microplastics and marine life. They each believe people eat up to 11,000 pieces of plastic in their food rest (10) \_\_\_\_\_ year. The researchers said that only alternatives (11) \_\_\_\_\_ 60 of these pieces stay in our body and the (12) \_\_\_\_\_\_ will disappear down the toilet. Sixty pieces of conducted microplastic may not seem a lot but it will build up over time. They likely could (13) \_\_\_\_\_\_ be bad for our health. Things are likely around to get worse. The researchers added that by the end of the centurv (14) \_\_\_\_\_, seafood eaters could consume as many as 780,000 pieces of plastic а That year. is (15) \_\_\_\_\_\_ to cause many health problems. Scientists say we need to recycle more and find (16) \_\_\_\_\_ to plastic.

#### **LISTENING** – Guess the answers. Listen to check.

From <a href="http://www.BreakingNewsEnglish.com/1701/170126-microplastics.html">http://www.BreakingNewsEnglish.com/1701/170126-microplastics.html</a>

······
<ol> <li>People who eat seafood may be also eating plastic         <ul> <li>tinny pieces of</li> <li>tiny pieces of</li> <li>tiny piece is of</li> <li>tinny piece is of</li> </ul> </li> </ol>
<ul> <li>2) They are tiny pieces of plastic from the waste</li> <li>a. end garbage</li> <li>b. ant garbage</li> <li>c. add garbage</li> <li>d. and garbage</li> </ul>
<ul> <li>3) more common in seafood such as oysters and mussels as well as other</li> <li>a. kinds of shelled fish</li> <li>b. kinds off shellfish</li> <li>c. kinds of shellfish</li> <li>d. kins off shellfish</li> </ul>
<ul> <li>4) Exeter University, said: "Hundreds of marine organisms encounter plastic"</li> <li>a. in the sea surface</li> <li>b. to the sea surface</li> <li>c. at the sea surface</li> <li>d. not the sea surface</li> </ul>
<ul> <li>5) many of those encounters are harmful</li> <li>a. if not fatal</li> <li>b. if not vital</li> <li>c. if not ate all</li> <li>d. if not natal</li> </ul>
<ul> <li>6) Researchers from the University of Ghent in Belgium study</li> <li>a. constructed a</li> <li>b. conducted a</li> <li>c. con duct it a</li> <li>d. con ducked a</li> </ul>
<ul> <li>7) people eat up to 11,000 pieces of plastic in their food</li> <li>a. each years</li> <li>b. each yearly</li> <li>c. each ear</li> <li>d. each year</li> </ul>
<ul> <li>8) around 60 of these pieces stay in our body and disappear</li> <li>a. the rest will</li> <li>b. the rests will</li> <li>c. the rested will</li> <li>d. the restive will</li> </ul>
<ul> <li>9) Sixty pieces of microplastic may not seem a lot but it will time</li> <li>a. build up overly</li> <li>b. build up overs</li> <li>c. build up over</li> <li>d. build up and over</li> </ul>
<ul> <li>10) Scientists say we need to recycle more and find plastic</li> <li>a. alternative at</li> <li>b. alternatives to</li> <li>c. alternatively to</li> <li>d. alternatives at</li> </ul>

d. alternatives at

#### LISTENING – Listen and fill in the gaps

From http://www.BreakingNewsEnglish.com/1701/170126-microplastics.html

People who eat seafood may (1) \_\_\_\_\_\_ tiny pieces of plastic. The small pieces of plastic are called microplastics. They are tiny pieces of plastic from the waste and garbage (2) \_\_\_\_\_\_ seas and oceans. They are usually less than a millimeter wide. They are becoming (3) \_\_\_\_\_\_ common in seafood such as oysters and mussels as (4) \_\_\_\_\_\_ kinds of shellfish. Scientists say there are more than five trillion pieces of microplastic in our oceans. More and more are (5) \_\_\_\_\_\_ day. Professor Richard Thompson, a marine biologist at Exeter University, said: "Hundreds of marine organisms encounter plastic at the sea surface (6) \_\_\_\_\_\_...and many of those encounters are harmful if not fatal."

Researchers from the University of Ghent in Belgium conducted a study into microplastics (7) \_\_\_\_\_\_\_. They believe people eat up to 11,000 pieces of plastic in their food each year. The researchers said that only around (8) \_\_\_\_\_\_\_ pieces stay in our body and the rest will disappear down the toilet. Sixty pieces of microplastic (9) \_\_\_\_\_\_\_ lot but it will build up over time. They could eventually (10) \_\_\_\_\_\_\_ health. Things are likely to get worse. The researchers added that by the end of the century, seafood eaters could consume as many as 780,000 pieces of plastic a year. (11) \_\_\_\_\_\_ cause many health problems. Scientists say we need to recycle more and find (12) \_\_\_\_\_\_.

7

## **COMPREHENSION QUESTIONS**

From http://www.BreakingNewsEnglish.com/1701/170126-microplastics.html

- 1. Who may be eating tiny pieces of plastic?
- 2. How wide are microplastics?
- 3. What two kinds of seafood did the article mention?
- 4. How many pieces of microplastics are in the oceans?
- 5. What is Richard Thompson's job?
- 6. How much microplastic do people eat every year?
- 7. How many pieces of microplastics stay in our body each year?
- 8. Where do most microplastics that we eat end up?
- 9. When might we eat as many as 780,000 pieces of plastic a year?
- 10. What did scientists say we need to find an alternative to?

# **MULTIPLE CHOICE - QUIZ**

From http://www.BreakingNewsEnglish.com/1701/170126-microplastics.html

<ol> <li>Who may be eating tiny pieces of plastic?</li> <li>a) seafood eaters</li> <li>b) seafood</li> <li>c) fish</li> <li>d) everyone</li> </ol>	<ul> <li>6) How much microplastic do people eat every year?</li> <li>a) 11,824 pieces</li> <li>b) exactly 11,000 pieces</li> <li>c) just over 11,000 pieces</li> <li>d) up to 11,000 pieces</li> </ul>
<ul> <li>2) How wide are microplastics?</li> <li>a) 1 cm</li> <li>b) between 1-2 mm</li> <li>c) less than a millimeter</li> <li>d) 0.01 mm</li> <li>3) What two kinds of seafood did the</li> </ul>	<ul> <li>7) How many pieces of microplastics stay in our body each year?</li> <li>a) less than 60</li> <li>b) around 60</li> <li>c) 65</li> <li>d) exactly 60</li> </ul>
<ul> <li>a) what two kinds of sealood did the article mention?</li> <li>a) crabs and squid</li> <li>b) mussels and oysters</li> <li>c) prawns and lobsters</li> <li>d) tuna and sardines</li> <li>4) How many pieces of microplastics are in the oceans?</li> <li>a) five million</li> <li>b) five quadrillion</li> <li>c) five billion</li> <li>d) five trillion</li> </ul>	<ul> <li>8) Where do most microplastics that we eat end up?</li> <li>a) in our blood</li> <li>b) on a dinner plate</li> <li>c) in seafood</li> <li>d) down the toilet</li> <li>9) When might we eat as many as 780,000 pieces of plastic a year?</li> <li>a) when there are more fish</li> <li>b) if climate change stops</li> <li>c) by 2099</li> </ul>
<ul> <li>5) What is Richard Thompson's job?</li> <li>a) marine biologist</li> <li>b) sushi chef</li> <li>c) fisherman</li> <li>d) writer</li> </ul>	<ul> <li>d) next year</li> <li>10) What did scientists say we need to find an alternative to?</li> <li>a) recycling</li> <li>b) plastic</li> <li>c) shellfish</li> <li>d) oceans</li> </ul>

# **ROLE PLAY**

From http://www.BreakingNewsEnglish.com/1701/170126-microplastics.html

#### **Role A – Plastic Bottles**

You think plastic bottles are the most important things to recycle. Tell the others three reasons why. Tell them what problems there are with recycling their things. Also, tell the others which of these is the least important to recycle (and why): computers, clothes or cars.

#### **Role B – Computers**

You think computers are the most important things to recycle. Tell the others three reasons why. Tell them what problems there are with recycling their things. Also, tell the others which of these is the least important to recycle (and why): plastic bottles, clothes or cars.

#### **Role C – Clothes**

You think clothes are the most important things to recycle. Tell the others three reasons why. Tell them what problems there are with recycling their things. Also, tell the others which of these is the least important to recycle (and why): computers, plastic bottles or cars.

#### Role D – Cars

You think cars are the most important things to recycle. Tell the others three reasons why. Tell them what problems there are with recycling their things. Also, tell the others which of these is the least important to recycle (and why): computers, clothes or plastic bottles.

# AFTER READING / LISTENING

From http://www.BreakingNewsEnglish.com/1701/170126-microplastics.html

**1. WORD SEARCH:** Look in your dictionary / computer to find collocates, other meanings, information, synonyms ... for the words 'micro' and 'plastic'.

micro	plastic

- Share your findings with your partners.
- Make questions using the words you found.
- Ask your partner / group your questions.

**2. ARTICLE QUESTIONS:** Look back at the article and write down some questions you would like to ask the class about the text.

- Share your questions with other classmates / groups.
- Ask your partner / group your questions.

**3. GAP FILL:** In pairs / groups, compare your answers to this exercise. Check your answers. Talk about the words from the activity. Were they new, interesting, worth learning...?

**4. VOCABULARY:** Circle any words you do not understand. In groups, pool unknown words and use dictionaries to find their meanings.

**5. TEST EACH OTHER:** Look at the words below. With your partner, try to recall how they were used in the text:

<ul> <li>eating</li> <li>waste</li> <li>usually</li> <li>well</li> </ul>	<ul> <li>study</li> <li>11,000</li> <li>60</li> <li>lot</li> </ul>
<ul><li>added</li><li>harmful</li></ul>	<ul><li>worse</li><li>find</li></ul>

### **SEAFOOD SURVEY**

From http://www.BreakingNewsEnglish.com/1701/170126-microplastics.html

Write five GOOD questions about seafood in the table. Do this in pairs. Each student must write the questions on his / her own paper.

When you have finished, interview other students. Write down their answers.

	STUDENT 1	STUDENT 2	STUDENT 3
Q.1.			
Q.2.			
Q.3.			
Q.4.			
Q.5.			

- Now return to your original partner and share and talk about what you found out. Change partners often.
- Make mini-presentations to other groups on your findings.

## SEAFOOD DISCUSSION

STUDENT A's QUESTIONS (Do not show these to student B)

- 1. What did you think when you read the headline?
- 2. What images are in your mind when you hear the word 'plastic'?
- 3. What do you think about what you read?
- 4. What seafood is the best, and why?
- 5. How can we clean all plastic from the oceans?
- 6. What can we use instead of plastic?
- 7. What do you think of seafood?
- 8. Do you worry about what you eat?
- 9. Should shops stop selling seafood if it has microplastics?
- 10. What do you do to recycle plastic?

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#### SEAFOOD DISCUSSION

STUDENT B's QUESTIONS (Do not show these to student A)

- 11. Did you like reading this article? Why/not?
- 12. What do you think of when you hear the word 'seafood'?
- 13. What does a marine biologist do every day?
- 14. What are microplastics?
- 15. Is eating seafood riskier than eating meat?
- 16. What do you think of oysters?
- 17. Whose responsibility is it to protect our oceans?
- 18. How can we keep our food safe?
- 19. What health problems do you think microplastics could cause?
- 20. What questions would you like to ask the scientists?

### **DISCUSSION (Write your own questions)**

STUDENT A's QUESTIONS (Do not show these to student B)

1.	
2.	
3.	
•	
4.	
5.	
5.	
6.	
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**DISCUSSION (Write your own questions)** 

STUDENT B's QUESTIONS (Do not show these to student A)

1.	 	 
5.		 
6.	 	 

#### LANGUAGE - CLOZE

From http://www.BreakingNewsEnglish.com/1701/170126-microplastics.html

People who eat seafood may be (1) \_\_\_\_\_ eating tiny pieces of plastic. The small pieces of plastic are called microplastics. They are tiny pieces of plastic from the (2) \_\_\_\_\_ and garbage that are in the seas and oceans. They are usually less than a millimeter (3) \_\_\_\_\_. They are becoming more and more common in seafood such as oysters and mussels as well as other (4) \_\_\_\_\_ of shellfish. Scientists say there are more than five trillion pieces of microplastic in our oceans. More and more are (5) \_\_\_\_\_ added every day. Professor Richard Thompson, a marine biologist at Exeter University, said: "Hundreds of marine organisms encounter plastic at the sea surface or in the water...and many of those encounters are harmful if not (6) \_\_\_\_\_."

Researchers from the University of Ghent in Belgium conducted a study into microplastics and marine life. They believe people eat (7) \_\_\_\_\_ to 11,000 pieces of plastic in their food each year. The researchers said that only around 60 of (8) \_\_\_\_\_ pieces stay in our body and the rest will disappear down the toilet. Sixty pieces of microplastic may not seem a lot but it will build (9) \_\_\_\_\_ over time. They could eventually be bad for our health. Things are (10) \_\_\_\_\_ to get worse. The researchers added that by the end of the century, seafood eaters could (11) \_\_\_\_\_ as many as 780,000 pieces of plastic a year. That is likely to cause many health problems. Scientists say we need to recycle more and find (12) \_\_\_\_\_ to plastic.

#### Put the correct words from the table below in the above article.

1.	(a)	addition	(b)	also	(c)	plus	(d)	extra
2.	(a)	paste	(b)	waste	(c)	baste	(d)	caste
3.	(a)	wider	(b)	widen	(c)	width	(d)	wide
4.	(a)	type	(b)	kinds	(c)	sort	(d)	means
5.	(a)	are	(b)	is	(c)	been	(d)	being
6.	(a)	fatally	(b)	fatalistic	(c)	fatal	(d)	fatale
7.	(a)	up	(b)	along	(c)	down	(d)	over
8.	(a)	they	(b)	them	(c)	these	(d)	that
9.	(a)	to	(b)	over	(c)	in	(d)	up
10.	(a)	likely	(b)	likelihood	(c)	liking	(d)	liken
11.	(a)	consume	(b)	resume	(c)	presume	(d)	assume
12.	(a)	alternatives	(b)	alternates	(c)	alternators	(d)	alters

# SPELLING

From http://www.BreakingNewsEnglish.com/1701/170126-microplastics.html

#### Paragraph 1

- 1. tiny <u>eiespc</u> of plastic
- 2. from the waste and <u>aebagrg</u>
- 3. becoming more and more mconom
- 4. in our eaonsc
- 5. a <u>mnraei</u> biologist
- 6. harmful if not <u>lataf</u>

#### Paragraph 2

- 7. <u>cdtnuocde</u> a study
- 8. <u>adpiserap</u> down the toilet
- 9. They could <u>nyetlvlaeu</u> be bad
- 10. by the end of the  $\underline{cetyrun}$
- 11. we need to ereccyl more
- 12. find <u>naraetvetlis</u> to plastic

### PUT THE TEXT BACK TOGETHER

From http://www.BreakingNewsEnglish.com/1701/170126-microplastics.html

#### Number these lines in the correct order.

- ( ) the sea surface or in the water...and many of those encounters are harmful if not fatal."
- (1) People who eat seafood may be also eating tiny pieces of plastic. The small pieces of plastic are called
- ( ) bad for our health. Things are likely to get worse. The researchers added that by the end of the
- ( ) trillion pieces of microplastic in our oceans. More and more are being added every day. Professor Richard Thompson, a marine
- ( ) biologist at Exeter University, said: "Hundreds of marine organisms encounter plastic at
- ( ) as oysters and mussels as well as other kinds of shellfish. Scientists say there are more than five
- ( ) year. The researchers said that only around 60 of these pieces stay in our body and the rest will disappear
- ( ) cause many health problems. Scientists say we need to recycle more and find alternatives to plastic.
- ( ) century, seafood eaters could consume as many as 780,000 pieces of plastic a year. That is likely to
- ( ) life. They believe people eat up to 11,000 pieces of plastic in their food each
- ( ) Researchers from the University of Ghent in Belgium conducted a study into microplastics and marine
- ( ) down the toilet. Sixty pieces of microplastic may not seem a lot but it will build up over time. They could eventually be
- ( ) oceans. They are usually less than a millimeter wide. They are becoming more and more common in seafood such
- ( ) microplastics. They are tiny pieces of plastic from the waste and garbage that are in the seas and

#### PUT THE WORDS IN THE RIGHT ORDER

From http://www.BreakingNewsEnglish.com/1701/170126-microplastics.html

1. are plastic of pieces small The microplastics called .

2. of They plastic are from tiny the pieces waste .

3. More seafood and such more as common oysters in .

4. of than microplastic five There trillion are pieces more .

5. are encounters those of Many harmful .

6. They plastic of pieces 11,000 to up eat people believe .

7. of stay body 60 pieces our around these in Only .

8. be eventually could They health our for bad .

9. many cause to likely is That problems health .

10. plastic more find to Recycle and alternatives .

### **CIRCLE THE CORRECT WORD (20 PAIRS)**

From http://www.BreakingNewsEnglish.com/1701/170126-microplastics.html

People who eat seafood may *be / been* also eating tiny pieces of plastic. The small pieces of plastic are called microplastics. They are *tinny / tiny* pieces of plastic from the *waste / wastage* and garbage that are in the seas and oceans. They are usually less than a millimeter wide. They are becoming more and *many / more* common in seafood such as oysters and mussels as well as *other / another* kinds of shellfish. Scientists say there are more than five trillion pieces of microplastic in our oceans. More and more are *been / being* added every day. Professor Richard Thompson, a marine *biology / biologist* at Exeter University, said: "Hundreds of marine organisms *encounter / counter* plastic at the sea surface or in the water...and many of those encounters are *harmed / harmful* if not *fatal / fatally*."

Researchers from the University of Ghent in Belgium conducted a *studying / study* into microplastics and marine life. They *belief / believe* people eat up to 11,000 pieces *of / off* plastic in their food each year. The researchers said that only around 60 of these pieces stay *in / on* our body and the rest will disappear *up / down* the toilet. Sixty pieces of microplastic may not *seem / seems* a lot but it will build up over time. They could *eventual / eventually* be bad for our health. Things are *likely / liken* to get worse. The researchers added that by the end of the century, seafood eaters could *resume / consume* as many as 780,000 pieces of plastic a year. That is likely to cause many health problems. Scientists say we need to *recycle / cycle* more and find alternatives to plastic.

# Talk about the connection between each pair of words in italics, and why the correct word is correct.

### **INSERT THE VOWELS (a, e, i, o, u)**

From http://www.BreakingNewsEnglish.com/1701/170126-microplastics.html

P\_\_pl\_wh\_ \_\_t s\_\_f\_\_d m\_y b\_\_ls\_ \_\_t\_ng t\_ny p\_\_c\_s \_f pl\_st\_c. Th\_ sm\_ll p\_\_c\_s \_f pl\_st\_c \_r\_ c\_ll\_d m\_cr\_pl\_st\_cs. Th\_y \_r\_ t\_ny p\_\_c\_s \_f pl\_st\_c fr\_m th\_ w\_st\_\_nd g\_rb\_g\_th\_t \_r\_\_n th\_ s\_s \_nd \_c\_\_ns. Th\_y \_r\_\_s\_\_lly l\_ss th\_n \_ m\_ll\_m\_t\_r w\_d\_. Th\_y \_r\_ b\_c\_m\_ng m\_r\_\_nd m\_r\_ c\_mm\_n \_n s\_\_f\_\_d s\_ch\_s \_yst\_rs \_nd m\_ss\_ls \_s w\_ll \_s \_th\_r k\_nds \_f sh\_llf\_sh. Sc\_\_nt\_sts s\_y th\_r\_\_ r\_\_ m\_r\_ th\_n f\_v\_ tr\_ll\_n p\_\_c\_s \_f m\_cr\_pl\_st\_c \_n \_\_r \_c\_\_ns. M\_r\_ \_nd m\_r\_\_ r\_\_ b\_\_ng \_dd\_d \_v\_ry d\_y. Pr\_f\_ss\_r R\_ch\_rd Th\_mps\_n, \_\_m\_r\_n\_ b\_\_l\_g\_st \_t \_\_x\_t\_r \_n\_v\_rs\_ty, s\_\_d: "H\_ndr\_ds \_f m\_r\_n\_\_ rg\_n\_sms \_nc\_\_nt\_r pl\_st\_c \_t th\_ s\_\_ s\_rf\_c\_ \_r \_n th\_ w\_t\_r...\_nd m\_ny \_f th\_s\_ \_nc\_\_nt\_rs \_r\_ h\_rmf\_l \_f n\_t f\_t\_l."

R\_s\_\_rch\_rs fr\_m th\_ \_n\_v\_rs\_ty \_f Gh\_nt \_n B\_lg\_\_m c\_nd\_ct\_d \_ st\_dy \_nt\_ m\_cr\_pl\_st\_cs \_nd m\_r\_n\_ l\_f. Th\_y b\_l\_\_v p\_\_pl\_ \_\_t \_p t\_ 11,000 p\_\_c\_s \_f pl\_st\_c \_n th\_\_r f\_\_d \_\_ch y\_\_r. Th\_ r\_s\_\_rch\_rs s\_\_d th\_t \_nly \_r\_\_nd 60 \_f th\_s p\_\_c\_s st\_y \_n \_\_r b\_dy \_nd th\_ r\_st w\_ll d\_s\_pp\_\_r d\_wn th\_ t\_\_l\_t. S\_xty p\_\_c\_s \_f m\_cr\_pl\_st\_c m\_y n\_t s\_m \_ l\_t b\_t \_t w\_ll b\_\_ld \_p \_v\_r t\_m\_. Th\_y c\_\_ld \_v\_nt\_\_lly b\_ b\_d f\_r \_r h\_\_lth. Th\_ngs \_r\_ l\_k\_ly t\_ g\_t w\_rs\_. Th\_ r\_s\_\_rch\_rs \_dd\_d th\_t by th\_ \_nd \_f th\_ c\_nt\_ry, s\_\_f\_d \_\_t\_rs c\_\_ld c\_ns\_m\_\_s m\_ny \_s 780,000 p\_\_c\_s \_f pl\_st\_c \_y\_r. Th\_t \_s l\_k\_ly t\_ c\_\_s\_ m\_ny h\_\_lth pr\_bl\_ms. Sc\_\_nt\_sts s\_y w\_ n\_\_d t\_ r\_cycl\_ m\_r\_ \_nd f\_nd \_lt\_rn\_t\_v\_s t\_ pl\_st\_c.

#### PUNCTUATE THE TEXT AND ADD CAPITALS

From http://www.BreakingNewsEnglish.com/1701/170126-microplastics.html

people who eat seafood may be also eating tiny pieces of plastic the small pieces of plastic are called microplastics they are tiny pieces of plastic from the waste and garbage that are in the seas and oceans they are usually less than a millimeter wide they are becoming more and more common in seafood such as oysters and mussels as well as other kinds of shellfish scientists say there are more than five trillion pieces of microplastic in our oceans more and more are being added every day professor richard thompson a marine biologist at exeter university said "hundreds of marine organisms encounter plastic at the sea surface or in the water...and many of those encounters are harmful if not fatal"

researchers from the university of ghent in belgium conducted a study into microplastics and marine life they believe people eat up to 11000 pieces of plastic in their food each year the researchers said that only around 60 of these pieces stay in our body and the rest will disappear down the toilet sixty pieces of microplastic may not seem a lot but it will build up over time they could eventually be bad for our health things are likely to get worse the researchers added that by the end of the century seafood eaters could consume as many as 780000 pieces of plastic a year that is likely to cause many health problems scientists say we need to recycle more and find alternatives to plastic

21

# PUT A SLASH ( / ) WHERE THE SPACES ARE

From http://www.BreakingNewsEnglish.com/1701/170126-microplastics.html

Peoplewhoeatseafoodmaybealsoeatingtinypiecesofplastic. The small piecesofplasticarecalledmicroplastics. They are tinypieces of plastic fro mthewasteandgarbagethatareintheseasandoceans. They are usually lessthanamillimeterwide. They are becoming more and more commoni nseafoodsuchasoystersandmusselsaswellasotherkindsofshellfish.S cientistssaytherearemore than five trillion pieces of microplastic in our o ceans.Moreandmorearebeingaddedeveryday.ProfessorRichardTho mpson,amarinebiologistatExeterUniversity,said:"Hundredsofmarin eorganismsencounterplasticattheseasurfaceorinthewater...andman yofthoseencountersareharmfulifnotfatal."ResearchersfromtheUniv ersityofGhentinBelgiumconductedastudyintomicroplasticsandmari nelife.Theybelievepeopleeatupto11,000piecesofplasticintheirfoode achyear. The researchers said that only around 60 of the sepieces stay in ourbodyandtherestwilldisappeardownthetoilet.Sixtypiecesofmicrop lasticmaynotseemalotbutitwillbuildupovertime.Theycouldeventuall ybebadforourhealth.Thingsarelikelytogetworse.Theresearchersadd edthatbytheendofthecentury,seafoodeaterscouldconsumeasmanya s780,000piecesofplasticayear.Thatislikelytocausemanyhealthprobl ems.Scientistssayweneedtorecyclemoreandfindalternativestoplasti c.

### FREE WRITING

From http://www.BreakingNewsEnglish.com/1701/170126-microplastics.html

Write about **seafood** for 10 minutes. Comment on your partner's paper.

### ACADEMIC WRITING

From http://www.BreakingNewsEnglish.com/1701/170126-microplastics.html

We should stop using plastic immediately. Do you agree? What could we use instead?

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### HOMEWORK

**1. VOCABULARY EXTENSION:** Choose several of the words from the text. Use a dictionary or Google's search field (or another search engine) to build up more associations / collocations of each word.

**2. INTERNET:** Search the Internet and find out more about this news. Share what you discover with your partner(s) in the next lesson.

**3. MICROPLASTICS:** Make a poster about microplastics. Show your work to your classmates in the next lesson. Did you all have similar things?

**4. PLASTIC:** Write a magazine article about ending the use of plastic. How would it affect our life? Include imaginary interviews with people who are for and against it.

Read what you wrote to your classmates in the next lesson. Write down any new words and expressions you hear from your partner(s).

**5. WHAT HAPPENED NEXT?** Write a newspaper article about the next stage in this news story. Read what you wrote to your classmates in the next lesson. Give each other feedback on your articles.

**6. LETTER:** Write a letter to an expert on microplastics. Ask him/her three questions about them. Give him/her three of your ideas on how we could live without using plastic. Read your letter to your partner(s) in your next lesson. Your partner(s) will answer your questions.

#### ANSWERS

#### TRUE / FALSE (p.4)

aF bF cT dF eF fT gT hT

#### SYNONYM MATCH (p.4)

- 1. tiny
- 2. pieces
- 3. garbage
- 4. such as
- 5. encounter
- 6. conducted
- 7. rest
- 8. eventually
- 9. consume
- 10. alternatives

- a. minute
- b. bits
- c. trash
- d. like
- e. come across
- f. did
- g. remainder
- h. in the end
- i. eat
- j. substitutes

#### **COMPREHENSION QUESTIONS (p.8)**

- 1. People who eat seafood
- 2. Less than a millimeter
- 3. Oysters and mussels
- 4. Five trillion
- 5. Marine biologist
- 6. Up to 11,000 pieces
- 7. Around 60
- 8. Down the toilet
- 9. By the end of the century
- 10. Plastic

#### MULTIPLE CHOICE - QUIZ (p.9)

1. a 2. c 3. b 4. d 5. a 6. d 7. b 8. d 9. c 10. b

#### ALL OTHER EXERCISES

Please check for yourself by looking at the Article on page 2. (It's good for your English ;-)