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Chemical to stop tooth decay forever

MANY FLASH AND ONLINE ACTIVITIES FOR THIS LESSON, PLUS A LISTENING, AT:

http://www.NewsEnglishLessons.com/1207/120712-tooth_decay.html

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12th July, 2012

THE READING / TAPESCRIPT

From: http://www.NewsEnglishLessons.com/1207/120712-tooth_decay.html

Scientists in Chile have made a new chemical that makes teeth 'cavity proof'. It could be in use within eighteen months. It could also mean visits to the dentist become a thing of the past. The scientists are calling the chemical 'Keep 32' – after the number of teeth we have in our mouth. In laboratory tests over seven years, 'Keep 32' wiped out all the bacteria that cause cavities in just 60 seconds. It also keeps working to fight the bacteria for several hours. In addition, it could also help fight gum disease.

The team of scientists has already started trying to interest big American companies into using 'Keep 32'. "We are currently in talks with five [companies] interested in investing in our project or buy our patent," the researchers said. They say their product can be added to toothpaste, mouthwash or chewing gum and other dental care products, which would become 'bacteria busters'. The research team says 'Keep 32' could be added to food. It might even be possible one day to eat candy that does not cause tooth decay.

PHRASE MATCH

From: http://www.NewsEnglishLessons.com/1207/120712-tooth_decay.html

Match the following phrases from the article.

Paragraph 1

- | | |
|--|-----------------------|
| 1. Scientists | a. disease |
| 2. a new chemical that makes teeth 'cavity | b. fight the bacteria |
| 3. become a thing | c. proof' |
| 4. the number of teeth we | d. in Chile |
| 5. It also keeps working to | e. have in our mouth |
| 6. help fight gum | f. of the past |

Paragraph 2

- | | |
|----------------------------|---------------------------|
| 1. trying to interest | a. talks |
| 2. We are currently in | b. added to food |
| 3. interested in investing | c. decay |
| 4. other dental | d. in our project |
| 5. 'Keep 32' could be | e. big American companies |
| 6. cause tooth | f. care products |

LISTENING GAP FILL

From: http://www.NewsEnglishLessons.com/1207/120712-tooth_decay.html

Scientists in Chile (1) _____ chemical that makes teeth 'cavity proof'. It (2) _____ within eighteen months. It could also mean visits to the dentist become (3) _____. The scientists are calling the chemical 'Keep 32' – after the number of teeth we (4) _____. In laboratory tests over seven years, 'Keep 32' (5) _____ bacteria that cause cavities in just 60 seconds. It also keeps working to fight the bacteria for several hours. In addition, it could also (6) _____.

(7) _____ has already started trying to interest big American companies into using 'Keep 32'. "We are (8) _____ with five [companies] interested (9) _____ project or buy our patent," the researchers said. They say their product can be added to toothpaste, (10) _____ gum and other (11) _____, which would become 'bacteria busters'. The research team says 'Keep 32' could be added to food. It might even be possible one day to eat candy that does (12) _____.

MULTIPLE CHOICE

From: http://www.NewsEnglishLessons.com/1207/120712-tooth_decay.html

Scientists in Chile have (1) _____ a new chemical that makes teeth 'cavity proof'. It could be in use (2) _____ eighteen months. It could also mean visits to the dentist become a thing of the (3) _____. The scientists are calling the chemical 'Keep 32' – after the number of teeth we have in our (4) _____. In laboratory tests over seven years, 'Keep 32' wiped out all the bacteria that (5) _____ cavities in just 60 seconds. It also keeps working to fight the bacteria for several hours. In (6) _____, it could also help fight gum disease.

The team of scientists has already started trying to (7) _____ big American companies into using 'Keep 32'. "We are currently (8) _____ talks with five [companies] interested in investing in our project or buy our (9) _____," the researchers said. They say their product can be (10) _____ to toothpaste, mouthwash or chewing gum and other dental (11) _____ products, which would become 'bacteria busters'. The research team says 'Keep 32' could be added to food. It might even be possible one (12) _____ to eat candy that does not cause tooth decay.

Put the correct words from this table into the article.

- | | | | |
|-----|---------------------|-----------------|----------------|
| 1. | (a) made | (b) making | (c) makes |
| 2. | (a) without | (b) with | (c) within |
| 3. | (a) present perfect | (b) past | (c) now |
| 4. | (a) mouth | (b) gum | (c) lips |
| 5. | (a) effect | (b) case | (c) cause |
| 6. | (a) addition | (b) subtraction | (c) multiply |
| 7. | (a) interesting | (b) interest | (c) interested |
| 8. | (a) in | (b) on | (c) as |
| 9. | (a) patient | (b) parents | (c) patent |
| 10. | (a) totaled | (b) added | (c) equaled |
| 11. | (a) careful | (b) care | (c) caring |
| 12. | (a) daily | (b) days | (c) day |

SPELLING

From: http://www.NewsEnglishLessons.com/1207/120712-tooth_decay.html

Spell the jumbled words (from the text) correctly.

Paragraph 1

1. makes teeth 'cavity ofpor'
2. use twiihn eighteen months
3. aroobalryt tests
4. for leervsa hours
5. In tidaniod...
6. help fight gum asedesi

Paragraph 2

7. trying to sneetrri big American companies
8. We are uylcnrert in talks
9. investing in our pcojret
10. toothpaste, aotwhuhsm or chewing gum
11. taednl care products
12. tooth cyade

PUT THE TEXT BACK TOGETHER

From: http://www.NewsEnglishLessons.com/1207/120712-tooth_decay.html

Number these lines in the correct order.

- () toothpaste, mouthwash or chewing gum and other dental care products, which would become 'bacteria
- () The team of scientists has already started trying to interest big American companies into
- () of the past. The scientists are calling the chemical 'Keep 32' – after the number of
- () teeth we have in our mouth. In laboratory tests over seven years, 'Keep 32' wiped
- () busters'. The research team says 'Keep 32' could be added to food. It might
- () proof'. It could be in use within eighteen months. It could also mean visits to the dentist become a thing
- () even be possible one day to eat candy that does not cause tooth decay.
- () using 'Keep 32'. "We are currently in talks with five [companies] interested in investing in
- () to fight the bacteria for several hours. In addition, it could also help fight gum disease.
- (**1**) Scientists in Chile have made a new chemical that makes teeth 'cavity
- () out all the bacteria that cause cavities in just 60 seconds. It also keeps working
- () our project or buy our patent," the researchers said. They say their product can be added to

THE READING / TAPESCRIPT

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With a partner, put the words back into the correct order.

1. 'cavity chemical proof' that makes A teeth new.

2. be months in use It within could eighteen.

3. dentist become a thing of the past Visits to the.

4. have mouth number we our The teeth in of.

5. disease gum fight help also could It.

6. scientists of team The started already has.

7. to big companies Trying interest American.

8. be can product Their toothpaste to added.

9. care Chewing and dental products gum other

10. cause not does that Candy decay tooth.

DISCUSSION (Write your own questions)

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

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

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DISCUSSION (Write your own questions)

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

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

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. TEETH: Search the Internet and find more information about tooth decay. Talk about what you discover with your partner(s) in the next lesson.

3. MAGAZINE ARTICLE: Write a magazine article about teeth. Include an imaginary interview with one of the Chilean scientists. Read what you wrote to your classmates in the next lesson. Give each other feedback on your articles.

4. 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.

5. LETTER: Write a letter to a teeth expert. Ask him/her three questions about teeth. Give him/her three of your opinions on the best way to look after them. Read what you wrote to your classmates in the next lesson. Your partner will answer the questions you asked.