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**Level 6 – 2nd February 2026**

**New powder whitens, repairs and protects teeth**

**FREE online quizzes, mp3 listening and more for this lesson here:**

<https://breakingnewsenglish.com/2602/260202-white-teeth-powder.html>

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**Please try Levels 4 and 5 (they are easier).**

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# THE ARTICLE

From <https://breakingnewsenglish.com/2602/260202-white-teeth-powder.html>

White teeth are widely revered in many countries. Hollywood, advertising, and social media have helped to make ultra-white teeth a must-have, and even an obsession. For decades, people have used peroxide-based chemical whiteners in an attempt to get a perfect set of "pearly whites". However, these chemicals can damage the teeth and gums. Help is now at hand for those of us who have stained or off-white teeth. Researchers in China say they have created an effective teeth-whitening ceramic powder. Researcher Min Xing said it is "a safe, at-home teeth-whitening strategy integrating whitening, enamel repair, and microbiome balance for long-term oral health".

The researchers wrote about how their new powder works. It is activated by electric toothbrush vibrations, which create a small electric field over the teeth. This causes a reaction known as "reactive oxygen species". These are compounds that break down stain-causing molecules. The researchers said their laboratory trials were very promising. They tested human teeth that were artificially discoloured with tea and coffee. After four hours of brushing, there was visible whitening. After 12 hours of cleaning, the teeth were 50 per cent whiter than those brushed with saline. The researchers said the next step is to incorporate the powder into a toothpaste.

Sources: <https://dentistry.co.uk/2026/01/27/toothbrush-activated-powder-developed-for-at-home-whitening/>  
<https://www.msn.com/en-us/health/other/toothbrush-activated-powder-whitens-repairs-and-protects-teeth/ar-AA1V280L>  
<https://scitechdaily.com/whiter-teeth-without-the-damage-this-new-powder-could-change-oral-care/>

# WARM-UPS

**1. WHITE TEETH:** Students walk around the class and talk to other students about white teeth. 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?

white teeth / Hollywood / chemical whiteners / gums / stained teeth / oral health / electric toothbrush / laboratory trials / tea / coffee / saline / brushing / toothpaste

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

**3. TEETH WHITENING:** Students A **strongly** believe all of us should try to get whiter teeth; Students B **strongly** believe the opposite. Change partners again and talk about your conversations.

**4. YOUR HEAD:** How much do you care about these things? Why? Complete this table with your partner(s). Change partners often and share what you wrote.

	How Much I Care	Why?
White teeth		
Wrinkles		
Clear skin		
Hair		
Eyelashes		
Facial hair		

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

**6. THE PERFECT SMILE:** Rank these with your partner. Put the best things about having the perfect smile at the top. Change partners often and share your rankings.

- First impressions
- Confidence
- Youthful appearance
- Dating advantages
- Looks professional
- Job interviews
- Signals good health
- You look kinder

# VOCABULARY MATCHING

## Paragraph 1

1. revered	a. The two soft parts of the mouth that holds the teeth.
2. ultra	b. The hard white outside of a tooth.
3. obsession	c. Very respected and loved.
4. gums	d. Thinking about one thing all the time.
5. at hand	e. Very strong or very extreme.
6. integrating	f. Near or ready to use.
7. enamel	g. Putting things together.

## Paragraph 2

8. activated	h. Small, fast movements.
9. vibrations	i. Things made from two or more parts.
10. compounds	j. Water with salt in it.
11. molecules	k. Started or turned on.
12. artificially	l. To add and mix in.
13. saline	m. Made by people, not natural.
14. incorporate	n. Very small parts that make everything.

# BEFORE READING / LISTENING

From <https://breakingnewsenglish.com/2602/260202-white-teeth-powder.html>

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

1. The article says white teeth are unrivalled in many countries. **T / F**
2. The article says white teeth are a must-have in many countries. **T / F**
3. The article says teeth-whitening chemicals can strengthen our gums. **T / F**
4. A researcher said the new powder can repair tooth enamel. **T / F**
5. The powder reacts to vibrations from electric toothbrushes. **T / F**
6. The powder attacks molecules that cause stains on our teeth. **T / F**
7. Four hours of brushing with the powder resulted in visible whitening. **T / F**
8. The powder is now in many toothpastes we can buy in stores. **T / F**

## 2. SYNONYM MATCH: (The words in **bold** are from the news article.)

1. <b>revered</b>	a. started
2. <b>obsession</b>	b. close
3. <b>attempt</b>	c. encouraging
4. <b>at hand</b>	d. combining
5. <b>integrating</b>	e. cherished
6. <b>activated</b>	f. amalgams
7. <b>compounds</b>	g. noticeable
8. <b>promising</b>	h. fixation
9. <b>visible</b>	i. course of action
10. <b>step</b>	j. effort

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

1. White teeth are widely	a. causing molecules
2. make ultra-white teeth a	b. chemical whiteners
3. people have used peroxide-based	c. vibrations
4. Help is now at	d. into a toothpaste
5. long-term	e. revered in many countries
6. It is activated by electric toothbrush	f. discoloured with tea
7. compounds that break down stain-	g. hand
8. their laboratory trials were very	h. oral health
9. teeth that were artificially	i. must-have
10. incorporate the powder	j. promising

# GAP FILL

From <https://breakingnewsenglish.com/2602/260202-white-teeth-powder.html>

White teeth are widely (1) \_\_\_\_\_ in many countries. set  
Hollywood, advertising, and social media have helped to make (2) \_\_\_\_\_ -white teeth a must-have, and even an ultra  
obsession. For decades, people have used safe  
peroxide-(3) \_\_\_\_\_ chemical whiteners in an attempt to revered  
get a perfect (4) \_\_\_\_\_ of "pearly whites". However, based  
these chemicals can damage the teeth and gums. Help is now at (5) \_\_\_\_\_ for those of us who have stained or off-white oral  
teeth. Researchers in China say they have created an effective  
teeth-whitening ceramic (6) \_\_\_\_\_. Researcher Min Xing  
said it is "a (7) \_\_\_\_\_, at-home teeth-whitening strategy  
integrating whitening, enamel repair, and microbiome balance for  
long-term (8) \_\_\_\_\_ health". hand

The researchers wrote about how their new powder works. It is (9) \_\_\_\_\_ by electric toothbrush vibrations, which create (10) \_\_\_\_\_ over the teeth. This causes a (11) \_\_\_\_\_ known as "reactive oxygen species". These (12) \_\_\_\_\_ are compounds that break down (13) \_\_\_\_\_ -causing (14) \_\_\_\_\_ molecules. The researchers said their laboratory trials were very (15) \_\_\_\_\_ promising. They tested human teeth that were (16) \_\_\_\_\_ discoloured with tea and coffee. After four (17) \_\_\_\_\_ hours of brushing, there was (18) \_\_\_\_\_ whitening. After (19) \_\_\_\_\_ 12 hours of cleaning, the teeth were 50 per cent whiter than those (20) \_\_\_\_\_ with saline. The researchers said the next (21) \_\_\_\_\_ step is to (22) \_\_\_\_\_ the powder into a toothpaste. (23) \_\_\_\_\_

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

From <https://breakingnewsenglish.com/2602/260202-white-teeth-powder.html>

- 1) advertising and social media have helped to make ultra-white teeth \_\_\_\_\_
  - a. a most-have
  - b. a must-have
  - c. a mist-have
  - d. a mast-have
- 2) chemical whiteners in an attempt to get a perfect set \_\_\_\_\_
  - a. of "pearly whites"
  - b. of "pearly creams"
  - c. of "pearly canines"
  - d. of "pearly gums"
- 3) Help is now at hand for those of us who have stained or \_\_\_\_\_
  - a. off-white teeth
  - b. on-white teeth
  - c. egg-white teeth
  - d. oft-white teeth
- 4) Researchers in China say they have created an effective teeth-\_\_\_\_\_
  - a. whitening ceramic powders
  - b. whitening ceramic powdered
  - c. whitening ceramic powdery
  - d. whitening ceramic powder
- 5) enamel repair, and microbiome balance for long-\_\_\_\_\_
  - a. tame oral health
  - b. trim oral health
  - c. terms oral health
  - d. term oral health
- 6) It is activated by \_\_\_\_\_
  - a. electricity toothbrush vibrations
  - b. electrical toothbrush vibrations
  - c. electric toothbrush vibrations
  - d. electrician toothbrush vibrations
- 7) These are compounds that break down \_\_\_\_\_
  - a. strain-causing molecules
  - b. satin-causing molecules
  - c. statin-causing molecules
  - d. stain-causing molecules
- 8) They tested human teeth that were artificially \_\_\_\_\_
  - a. discoloured within tea
  - b. discoloured wither tea
  - c. discoloured wit tea
  - d. discoloured with tea
- 9) After 12 hours of cleaning, the teeth were 50 per cent whiter than those \_\_\_\_\_
  - a. brushed with sea lion
  - b. brushed with saline
  - c. brushed with sailing
  - d. brushed with say line
- 10) the next step is to incorporate the powder into \_\_\_\_\_
  - a. a toothpaste form moolah
  - b. a toothpaste formulas
  - c. a toothpaste formula
  - d. a toothpaste formulaic

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

From <https://breakingnewsenglish.com/2602/260202-white-teeth-powder.html>

White teeth (1) \_\_\_\_\_ in many countries. Hollywood, advertising, and social media have helped to (2) \_\_\_\_\_ teeth a must-have, and even an obsession. For decades, people have used peroxide-based (3) \_\_\_\_\_ an attempt to get a perfect set of "pearly whites". However, these chemicals can damage the teeth and gums. Help is (4) \_\_\_\_\_ for those of us who have stained or off-white teeth. Researchers in China say they have (5) \_\_\_\_\_ teeth-whitening ceramic powder. Researcher Min Xing said it is "a safe, at-home teeth-whitening strategy integrating whitening, enamel repair, and microbiome balance for long-(6) \_\_\_\_\_".

The researchers wrote about how their new powder works. It is (7) \_\_\_\_\_ toothbrush vibrations, which create a small (8) \_\_\_\_\_ the teeth. This causes a reaction known as "reactive oxygen species". These are compounds that (9) \_\_\_\_\_ -causing molecules. The researchers said their laboratory trials were very promising. They tested human teeth that were (10) \_\_\_\_\_ tea and coffee. After four hours of brushing, there was visible whitening. After 12 hours of cleaning, the teeth were 50 per cent whiter than those (11) \_\_\_\_\_. The researchers said the next step is (12) \_\_\_\_\_ powder into a toothpaste.

# COMPREHENSION QUESTIONS

From <https://breakingnewsenglish.com/2602/260202-white-teeth-powder.html>

1. Where does the article say white teeth are revered?
2. What kind of chemicals whiteners have people used for a long time?
3. What can chemical whiteners damage besides our teeth?
4. What kind of powder have researchers created?
5. What did a researcher say the powder can repair?
6. What do vibrations from an electric toothbrush help the powder create?
7. What did the researchers say about their laboratory trials?
8. What did the researchers stain teeth with?
9. How much whiter were teeth after 12 hours of cleaning with the powder?
10. What did a researcher say the powder should be incorporated into?

# MULTIPLE CHOICE - QUIZ

From <https://breakingnewsenglish.com/2602/260202-white-teeth-powder.html>

- 1) Where does the article say white teeth are revered?
  - a) in dental clinics
  - b) in many countries
  - c) at high schools
  - d) online
- 2) What kind of chemicals whiteners have people used for a long time?
  - a) inorganic chemicals
  - b) acid-based chemicals
  - c) synthetic chemicals
  - d) peroxide-based chemicals
- 3) What can chemical whiteners damage besides our teeth?
  - a) our lips
  - b) our health
  - c) our gums
  - d) our appetite
- 4) What kind of powder have researchers created?
  - a) ceramic powder
  - b) fine powder
  - c) plant-based powder
  - d) black powder
- 5) What did a researcher say the powder can repair?
  - a) bad breath
  - b) tooth enamel
  - c) tooth decay
  - d) chipped teeth
- 6) What do vibrations from an electric toothbrush help the powder create?
  - a) a small electric field
  - b) a paste
  - c) a minty taste
  - d) bubbles
- 7) What did the researchers say about their laboratory trials?
  - a) They are ongoing.
  - b) They were disappointing.
  - c) They were promising.
  - d) They were jaw-dropping
- 8) What did the researchers stain teeth with?
  - a) tea and coffee
  - b) red wine
  - c) liquorice
  - d) curry
- 9) How much whiter were teeth after 12 hours of cleaning with the powder?
  - a) 20% whiter
  - b) 30% whiter
  - c) 40% whiter
  - d) 50% whiter
- 10) What did a researcher say the powder should be incorporated into?
  - a) our lifestyles
  - b) visits to the dentist
  - c) toothpaste
  - d) chewing gum

# ROLE PLAY

From <https://breakingnewsenglish.com/2602/260202-white-teeth-powder.html>

## **Role A – First Impressions**

You think the perfect smile is most important for first impressions. Tell the others three reasons why. Tell them what is wrong with their things. Also, tell the others which is the least important of these (and why): confidence, job interviews or signalling good health.

## **Role B – Confidence**

You think the perfect smile is most important for confidence. Tell the others three reasons why. Tell them what is wrong with their things. Also, tell the others which is the least important of these (and why): first impressions, job interviews or signalling good health.

## **Role C – Job Interviews**

You think the perfect smile is most important for job interviews. Tell the others three reasons why. Tell them what is wrong with their things. Also, tell the others which is the least important of these (and why): confidence, first impressions or signalling good health.

## **Role D – Signalling Good Health**

You think the perfect smile is most important for signalling good health. Tell the others three reasons why. Tell them what is wrong with their things. Also, tell the others which is the least important of these (and why): confidence, job interviews or first impressions.

# AFTER READING / LISTENING

From <https://breakingnewsenglish.com/2602/260202-white-teeth-powder.html>

**1. WORD SEARCH:** Look online / in your dictionary to find collocates, information on, synonyms for... the words 'teeth' and 'toothpaste'.

teeth	toothpaste

- 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 style="list-style-type: none"><li>• widely</li><li>• must</li><li>• set</li><li>• damage</li><li>• effective</li><li>• long</li></ul>	<ul style="list-style-type: none"><li>• works</li><li>• field</li><li>• break</li><li>• coffee</li><li>• 50</li><li>• step</li></ul>
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# WHITE TEETH SURVEY

From <https://breakingnewsenglish.com/2602/260202-white-teeth-powder.html>

Write five GOOD questions about white teeth 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.

# WHITE TEETH 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 'teeth'?
3. What do you think of your teeth?
4. What do you think of having white teeth?
5. What do you think of having straight teeth?
6. Why are white teeth so revered?
7. Can teeth be too white?
8. Would you use teeth-whitening chemicals?
9. What do you do to look after your teeth?
10. What do you think of going to the dentist?

*New powder whitens, repairs and protects teeth – 2nd February 2026*  
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# WHITE TEETH 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 'toothbrush'?
13. What do you think about what you read?
14. Is an electric or regular toothbrush best?
15. What can we eat that is good for our teeth?
16. What do we eat that is bad for our teeth?
17. What's your favourite toothpaste, and why?
18. Will you be using the new teeth-whitening powder?
19. What do you think when you see a perfect smile?
20. What questions would you like to ask a dentist?

## **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. \_\_\_\_\_

# LANGUAGE - CLOZE

From <https://breakingnewsenglish.com/2602/260202-white-teeth-powder.html>

White teeth are widely (1) \_\_\_\_ in many countries. Hollywood, advertising, and social media have helped to make (2) \_\_\_\_-white teeth a must-have, and even an obsession. For decades, people have used peroxide-based chemical whiteners in an attempt to get a perfect (3) \_\_\_\_ of "pearly whites". However, these chemicals can damage the teeth and gums. Help is now at (4) \_\_\_\_ for those of us who have stained or off-white teeth. Researchers in China say they have created an (5) \_\_\_\_ teeth-whitening ceramic powder. Researcher Min Xing said it is "a safe, at-home teeth-whitening strategy integrating whitening, enamel repair, and microbiome balance for long-term (6) \_\_\_\_ health".

The researchers wrote about how their new powder works. It is activated by electric toothbrush (7) \_\_\_\_, which create a small electric field over the teeth. This causes a reaction known (8) \_\_\_\_ "reactive oxygen species". These are compounds that break down (9) \_\_\_\_-causing molecules. The researchers said their laboratory trials were very promising. They tested human teeth that were (10) \_\_\_\_ discoloured with tea and coffee. After four hours of brushing, there was visible whitening. After 12 hours of cleaning, the teeth were 50 per cent whiter than (11) \_\_\_\_ brushed with saline. The researchers said the next step is to incorporate the powder (12) \_\_\_\_ a toothpaste.

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

1.	(a) revered	(b) revelled	(c) rebelled	(d) levered
2.	(a) neo	(b) intra	(c) ultra	(d) alpha
3.	(a) stet	(b) cert	(c) set	(d) sate
4.	(a) wrist	(b) palm	(c) knuckles	(d) hand
5.	(a) affective	(b) infective	(c) invective	(d) reflective
6.	(a) aurora	(b) oral	(c) aura	(d) aural
7.	(a) vibrance	(b) vibrates	(c) vibes	(d) vibrations
8.	(a) has	(b) as	(c) is	(d) was
9.	(a) statin	(b) satin	(c) stain	(d) strain
10.	(a) artifice	(b) artefact	(c) artificial	(d) artificially
11.	(a) these	(b) them	(c) thus	(d) those
12.	(a) unto	(b) into	(c) up to	(d) so to

# **SPELLING**

From <https://breakingnewsenglish.com/2602/260202-white-teeth-powder.html>

## **Paragraph 1**

1. White teeth are widely eererdy
2. a must-have, and even an ebosniss
3. peroxide-based lciecmha whiteners
4. a safe, at-home teeth-whitening tgartyse
5. igttgiennar whitening
6. alneme repair

## **Paragraph 2**

7. activated by electric toothbrush obitasivrn
8. This causes a aetocnir
9. compounds that break down stain-causing ellscemou
10. oloabrraty trials
11. aifltirylcia discoloured with tea
12. whiter than those brushed with eainsl

# PUT THE TEXT BACK TOGETHER

From <https://breakingnewsenglish.com/2602/260202-white-teeth-powder.html>

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

- ( ) can damage the teeth and gums. Help is now at hand for those of us who have stained or off-
- ( ) chemical whiteners in an attempt to get a perfect set of "pearly whites". However, these chemicals
- ( ) cleaning, the teeth were 50 per cent whiter than those brushed with saline. The
- ( ) integrating whitening, enamel repair, and microbiome balance for long-term oral health".
- ( ) oxygen species". These are compounds that break down stain-causing molecules. The researchers
- ( ) powder. Researcher Min Xing said it is "a safe, at-home teeth-whitening strategy
- ( ) researchers said the next step is to incorporate the powder into a toothpaste.
- ( ) said their laboratory trials were very promising. They tested human teeth that were artificially discoloured
- ( ) The researchers wrote about how their new powder works. It is activated by electric toothbrush
- ( ) to make ultra-white teeth a must-have, and even an obsession. For decades, people have used peroxide-based
- ( ) vibrations, which create a small electric field over the teeth. This causes a reaction known as "reactive
- ( 1 ) White teeth are widely revered in many countries. Hollywood, advertising, and social media have helped
- ( ) white teeth. Researchers in China say they have created an effective teeth-whitening ceramic
- ( ) with tea and coffee. After four hours of brushing, there was visible whitening. After 12 hours of

# PUT THE WORDS IN THE RIGHT ORDER

From <https://breakingnewsenglish.com/2602/260202-white-teeth-powder.html>

1. are countries . in many revered teeth White widely
2. a helped It make must-have . teeth to ultra-white
3. a an attempt get In perfect set . to
4. an ceramic created effective have powder . teeth-whitening They
5. a at-home is It safe, strategy . teeth-whitening
6. activated by electric is It toothbrush vibrations .
7. laboratory promising . researchers said The their trials were
8. artificially discoloured . human teeth tested that They were
9. After brushing, four hours of there was whitening .
10. a formula . Incorporate into powder the toothpaste

## CIRCLE THE CORRECT WORD (20 PAIRS)

From <https://breakingnewsenglish.com/2602/260202-white-teeth-powder.html>

White teeth are widely *revelled* / *revered* in many countries. Hollywood, advertising, and social media have helped to make ultra-white teeth a must-have, and even an *obsessive* / *obsession*. For *decades* / *decadence*, people have used peroxide-based chemical whiteners in an attempt to get a perfect *stet* / *set* of "pearly whites". However, these chemicals can damage the teeth and gums. Help is now at *palm* / *hand* for those of us who have stained or *off-white* / *egg white* teeth. Researchers in China say they have created an *effective* / *affective* teeth-whitening ceramic powder. Researcher Min Xing said it is "a safe, at-home teeth-whitening strategy integrating whitening, enamel *disrepair* / *repair*, and microbiome balance *for* / *at* long-term *oral* / *aural* health".

The researchers wrote about how their new powder *workings* / *works*. It is activated *by* / *of* electric toothbrush vibrations, which create a small electric *pitch* / *field* over the teeth. This causes a reaction *knowing* / *known* as "reactive oxygen species". These are *compounds* / *impounds* that break *down* / *over* stain-causing molecules. The researchers said their laboratory *trial* / *trials* were very promising. They tested human teeth that were artificially discoloured with tea and coffee. After four hours *off* / *of* brushing, there was visible whitening. After 12 hours of cleaning, the teeth were 50 per cent whiter than those brushed *on* / *with* saline. The researchers said the next step is to incorporate the powder *into* / *unto* a toothpaste.

**Talk about the connection between each pair of words in italics, and why the correct word is correct. Look up the definition of new words.**

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

From <https://breakingnewsenglish.com/2602/260202-white-teeth-powder.html>

Wh\_t\_ t\_\_th \_r\_ w\_d\_ly r\_v\_r\_d \_n m\_ny c\_\_ntr\_\_s.  
H\_llyw\_\_d, \_dv\_rt\_s\_ng, \_nd s\_c\_\_l m\_d\_\_ h\_v\_ h\_lp\_d  
t\_ m\_k\_ ltr\_-wh\_t\_ t\_\_th \_ m\_st-h\_v\_, \_nd \_v\_n \_n  
\_bs\_ss\_\_n. F\_r d\_c\_d\_s, p\_\_pl\_ h\_v\_ s\_d p\_r\_x\_d\_-  
b\_s\_d ch\_m\_c\_l wh\_t\_n\_rs \_n \_n \_tt\_mpt t\_ g\_t \_  
p\_rf\_ct s\_t \_f "p\_\_rly wh\_t\_s". H\_w\_v\_r, th\_s\_  
ch\_m\_c\_ls c\_n d\_m\_g\_ th\_ t\_\_th \_nd g\_ms. H\_lp \_s  
n\_w \_t h\_nd f\_r th\_s\_ \_f \_s wh\_ h\_v\_ st\_\_n\_d \_r  
\_ff-wh\_t\_ t\_\_th. R\_s\_\_rch\_rs \_n Ch\_n\_ s\_y th\_y h\_v\_  
cr\_\_t\_d \_n \_ff\_ct\_v\_ t\_\_th-wh\_t\_n\_ng c\_r\_m\_c p\_wd\_r.  
R\_s\_\_rch\_r M\_n X\_ng s\_\_d \_t \_s "\_ s\_f\_, \_t-h\_m\_  
t\_\_th-wh\_t\_n\_ng str\_t\_gy nt\_gr\_t\_ng wh\_t\_n\_ng, \_n\_m\_l  
r\_p\_\_r, \_nd m\_cr\_b\_\_m\_ b\_l\_nc\_ f\_r l\_ng-t\_rm \_r\_l  
h\_\_lth".

Th\_ r\_s\_\_rch\_rs wr\_t\_ \_b\_\_t h\_w th\_\_r n\_w p\_wd\_r  
w\_rks. \_t \_s \_ct\_v\_t\_d by \_l\_ctr\_c t\_\_thbr\_sh  
v\_br\_t\_\_ns, wh\_ch cr\_\_t\_ sm\_ll \_l\_ctr\_c f\_\_ld \_v\_r  
th\_ t\_\_th. Th\_s c\_\_s\_s \_ r\_\_ct\_\_n kn\_wn \_s "r\_\_ct\_v\_  
\_xyg\_n sp\_c\_\_s". Th\_s \_r\_ c\_mp\_\_nds th\_t br\_\_k d\_wn  
st\_\_n-c\_\_s\_ng m\_l\_c\_l\_s. Th\_ r\_s\_\_rch\_rs s\_\_d th\_\_r  
l\_b\_r\_t\_ry tr\_\_ls w\_r\_ v\_ry pr\_m\_s\_ng. Th\_y t\_st\_d  
h\_m\_n t\_\_th th\_t w\_r\_ rt\_f\_c\_ll\_y d\_sc\_l\_\_r\_d w\_th  
t\_\_ \_nd c\_ff\_\_. \_ft\_r f\_\_r h\_\_rs \_f br\_sh\_ng, th\_r\_  
w\_s v\_s\_b\_ wh\_t\_n\_ng. \_ft\_r 12 h\_\_rs \_f cl\_\_n\_ng,  
th\_ t\_\_th w\_r\_ 50 p\_r c\_nt wh\_t\_r th\_n th\_s\_ br\_sh\_d  
w\_th s\_l\_n\_. Th\_ r\_s\_\_rch\_rs s\_\_d th\_ n\_xt st\_p \_s t\_  
\_nc\_rp\_r\_t\_ th\_ p\_wd\_r nt\_ t\_\_thp\_st\_.

## PUNCTUATE THE TEXT AND ADD CAPITALS

From <https://breakingnewsenglish.com/2602/260202-white-teeth-powder.html>

white teeth are widely revered in many countries hollywood advertising and social media have helped to make ultrawhite teeth a musthave and even an obsession for decades people have used peroxidebased chemical whiteners in an attempt to get a perfect set of pearly whites however these chemicals can damage the teeth and gums help is now at hand for those of us who have stained or offwhite teeth researchers in china say they have created an effective teethwhitening ceramic powder researcher min xing said it is a safe athome teeth-whitening strategy integrating whitening enamel repair and microbiome balance for longterm oral health

the researchers wrote about how their new powder works it is activated by electric toothbrush vibrations which create a small electric field over the teeth this causes a reaction known as reactive oxygen species these are compounds that break down staincausing molecules the researchers said their laboratory trials were very promising they tested human teeth that were artificially discoloured with tea and coffee after four hours of brushing there was visible whitening after 12 hours of cleaning the teeth were 50 per cent whiter than those brushed with saline the researchers said the next step is to incorporate the powder into a toothpaste

# PUT A SLASH ( / ) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2602/260202-white-teeth-powder.html>

White teeth are widely revered in many countries. Hollywood, advertising, and social media have helped to make ultra-white teeth a must-have, and even an obsession. For decades, people have used peroxide-based chemical whitening agents in an attempt to get a perfect set of "pearly whites". However, these chemicals can damage the teeth and gums. Help is now at hand for those of us who have stained or off-white teeth. Researchers in China say they have created an effective teeth-whitening ceramic powder. Researcher Min Xing said it is "a safe, at-home teeth-whitening strategy integrating whitening, enamel repair, and microbiome balance for long-term oral health". The researchers wrote about how their new powder works. It is activated by electric toothbrush vibrations, which create a small electric field over the teeth. This causes a reaction known as "reactive oxygen species". These are compounds that break down stain-causing molecules. The researchers said their laboratory trials were very promising. They tested human teeth that were artificially discoloured with tea and coffee. After four hours of brushing, there was visible whitening. After 12 hours of cleaning, the teeth were 50 percent whiter than those brushed with saline. The researchers said the next step is to incorporate the powder into toothpaste.

# FREE WRITING

From <https://breakingnewsenglish.com/2602/260202-white-teeth-powder.html>

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

## ACADEMIC WRITING

From <https://breakingnewsenglish.com/2602/260202-white-teeth-powder.html>

A nice smile with pearly-white teeth is important to get you places in life. Discuss.

# 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 story. Share what you discover with your partner(s) in the next lesson.

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

**4. WHITE TEETH:** Write a magazine article about all of us using the powder so we have white (or whiter) teeth. Include imaginary interviews with people who are for and against this.

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 white teeth. Ask him/her three questions about them. Give him/her three of your opinions on straight, white teeth. Read your letter to your partner(s) in your next lesson. Your partner(s) will answer your questions.

# ANSWERS

## VOCABULARY (p.4)

1. c	2. e	3. d	4. a	5. f	6. g	7. b
8. k	9. h	10. i	11. n	12. m	13. j	14. l

## TRUE / FALSE (p.5)

1 F	2 T	3 F	4 T	5 T	6 T	7 T	8 F
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## SYNONYM MATCH (p.5)

1. e	2. h	3. j	4. b	5. d
6. a	7. f	8. c	9. g	10. i

## COMPREHENSION QUESTIONS (p.9)

1. In many countries
2. Peroxide-based chemicals
3. Our gums
4. Ceramic powder
5. Tooth enamel
6. A small electric field
7. They were promising
8. Tea and coffee
9. Fifty per cent whiter
10. Toothpaste

## WORDS IN THE RIGHT ORDER (p.19)

1. White teeth are widely revered in many countries.
2. It helped to make ultra-white teeth a must-have.
3. In an attempt to get a perfect set.
4. They have created an effective teeth-whitening ceramic powder.
5. It is a safe, at-home teeth-whitening strategy.
6. It is activated by electric toothbrush vibrations.
7. The researchers said their laboratory trials were promising.
8. They tested human teeth that were artificially discoloured.
9. After four hours of brushing, there was whitening.
10. Incorporate the powder into a toothpaste formula.

## MULTIPLE CHOICE - QUIZ (p.10)

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

## ALL OTHER EXERCISES

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