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**Level 6 – 25th November 2024**

## Scientists make world's thinnest spaghetti

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

<https://breakingnewsenglish.com/2411/241125-spaghetti.html>

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

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# THE ARTICLE

From <https://breakingnewsenglish.com/2411/241125-spaghetti.html>

Researchers from University College London have created the world's thinnest spaghetti. It is about 200 times thinner than a human hair. The pasta strands are so thin they cannot be captured in a photo. Nor can they be seen with the naked eye or through a microscope. The nano-spaghetti is just 372 nanometres wide. That's equivalent to millionths of a centimetre. The spaghetti was made using a technique called electro-spinning. In this procedure, an electric charge pushes a mixture of flour and liquid through microscopic holes. Professor Gareth Williams said: "I don't think it's useful as pasta, sadly, as it would overcook in less than a second, before you could take it out of the pan."

The new spaghetti will be largely used for medicinal rather than culinary purposes. However, Dr Adam Clancy said it is edible. He said: "Hypothetically, one might expect it to be chewier than you'd expect". Individual strands of the nanopasta can be spun into a pasta net. This could be used as a scaffold for regrowing tissue. The net could also be used to create bandages that would help wounds heal. The bandages would allow moisture through to the skin, but keep bacteria out. They could also help bone regeneration and deliver drugs to different parts of the body. The scientists say there are also non-medicinal applications, such as its use in filtration systems and batteries.

Sources: <https://www.newscientist.com/article/2457260-worlds-thinnest-spaghetti-wont-please-gourmands-but-may-heal-wounds/>  
<https://www.engadget.com/science/chemists-have-created-the-worlds-thinnest-spaghetti-201509365.html>  
<https://www.dailymail.co.uk/sciencetech/article-14110297/Scientists-create-worlds-thinnest-SPAGHETTI.html>

# WARM-UPS

**1. SPAGHETTI:** Students walk around the class and talk to other students about spaghetti. 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?

researchers / spaghetti / human hair / pasta / the naked eye / flour / holes / overcook  
medicinal / culinary / edible / chewy / scaffold / tissue / wounds / moisture / batteries

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

**3. FOOD:** Students A **strongly** believe spaghetti is better than rice; Students B **strongly** believe rice is better. Change partners again and talk about your conversations.

**4. PASTA:** What do you know and what do you want to know about pasta? Complete this table with your partner(s). Change partners often and share what you wrote.

	What I Know	What I Want to Know
Spaghetti		
Lasagna		
Macaroni		
Tagliatelle		
Penne		
Ravioli		

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

**6. STAPLE FOOD:** Rank these with your partner. Put the best at the top. Change partners often and share your rankings.

- Spaghetti
- Rice
- Potatoes
- Maize (corn)
- Cassava
- Soybeans
- Cassava
- Wheat

# VOCABULARY MATCHING

## Paragraph 1

- |                  |  |
|------------------|--|
| 1. strand        | a. Something is the same as something else or has the same value.                                |
| 2. captured      | b. A single piece of something, usually something long and thin, like a piece of thread or hair. |
| 3. the naked eye | c. Seeing something without using any tools like a microscope or telescope.                      |
| 4. equivalent to | d. So small that you need a microscope to see it.  |
| 5. procedure     | e. Roast, grill, boil or bake something for too long, so it becomes dry or burnt.                |
| 6. microscopic   | f. Recorded accurately in words or pictures.   |
| 7. overcook      | g. A set of steps or instructions to do something in the right way.                              |

## Paragraph 2

- |                    |  |
|--------------------|--|
| 8. medicinal       | h. Imagined or not real, but possible in theory.                               |
| 9. culinary        | i. An injury to the body, usually with a cut or break in the skin.             |
| 10. edible         | j. Create a temporary structure on the outside of something to help repair it. |
| 11. hypothetically | k. Safe and good to eat.   |
| 12. spun           | l. Turned around very quickly.   |
| 13. scaffold       | m. Something that is used to treat illness or improve health.                  |
| 14. wound          | n. Related to cooking or food.   |

# BEFORE READING / LISTENING

From <https://breakingnewsenglish.com/2411/241125-spaghetti.html>

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

1. The new spaghetti is the width of 200 human hairs. **T / F**
2. The new spaghetti can only be seen through a microscope. **T / F**
3. Electricity pushes liquid flour through tiny holes to make the spaghetti. **T / F**
4. It takes a long time to boil the nano-spaghetti. **T / F**
5. The thin spaghetti is inedible. **T / F**
6. The spaghetti can be made into a web to help regrow tissue. **T / F**
7. The spaghetti can be used to make bacteria-resistant bandages. **T / F**
8. The spaghetti can only be used for medicinal purposes. **T / F**

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

- |                       |                      |
|-----------------------|----------------------|
| 1. <b>captured</b>    | a. for the most part |
| 2. <b>equivalent</b>  | b. wetness           |
| 3. <b>microscopic</b> | c. regrettably       |
| 4. <b>sadly</b>       | d. lacerations       |
| 5. <b>pan</b>         | e. miniscule         |
| 6. <b>largely</b>     | f. curative          |
| 7. <b>expect</b>      | g. shown             |
| 8. <b>moisture</b>    | h. analogous         |
| 9. <b>wounds</b>      | i. anticipate        |
| 10. <b>medicinal</b>  | j. pot               |

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

- |   |                                  |
|---|----------------------------------|
| 1. they cannot be captured              | a. wounds heal                   |
| 2. the naked                            | b. in less than a second         |
| 3. That's equivalent to                 | c. systems                       |
| 4. I don't think it's useful            | d. rather than culinary purposes |
| 5. it would overcook                    | e. in a photo                    |
| 6. used for medicinal                   | f. through to the skin           |
| 7. This could be used as a scaffold for | g. eye                           |
| 8. bandages that would help             | h. as pasta                      |
| 9. allow moisture                       | i. regrowing tissue              |
| 10. filtration                          | j. millionths of a centimetre    |

# GAP FILL

From <https://breakingnewsenglish.com/2411/241125-spaghetti.html>

Researchers from University College London have  
(1) \_\_\_\_\_ the world's thinnest spaghetti. It is about 200  
times thinner than a human hair. The pasta (2) \_\_\_\_\_  
are so thin they cannot be captured in a photo. Nor can they be  
seen with the (3) \_\_\_\_\_ eye or through a microscope.  
The nano-spaghetti is just 372 nanometres wide. That's  
(4) \_\_\_\_\_ to millionths of a centimetre. The spaghetti  
was made using a technique called electro-spinning. In this  
(5) \_\_\_\_\_, an electric charge pushes a  
(6) \_\_\_\_\_ of flour and liquid through microscopic holes.  
Professor Gareth Williams said: "I don't think it's useful as pasta,  
(7) \_\_\_\_\_, as it would overcook in less than a second,  
before you could take it out of the (8) \_\_\_\_\_."

*mixture*  
*strands*  
*pan*  
*created*  
*sadly*  
*equivalent*  
*procedure*  
*naked*

The new spaghetti will be (9) \_\_\_\_\_ used for medicinal  
rather than (10) \_\_\_\_\_ purposes. However, Dr Adam  
Clancy said it is (11) \_\_\_\_\_. He said: "Hypothetically,  
one might expect it to be chewier than you'd expect".  
(12) \_\_\_\_\_ strands of the nanopasta can be spun into a  
pasta net. This could be used as a (13) \_\_\_\_\_ for  
regrowing tissue. The net could also be used to create bandages  
that would help wounds heal. The bandages would allow  
(14) \_\_\_\_\_ through to the skin, but keep bacteria out.  
They could also help bone regeneration and (15) \_\_\_\_\_  
drugs to different parts of the body. The scientists say there are  
also non-medicinal applications, such as its use in  
(16) \_\_\_\_\_ systems and batteries.

*scaffold*  
*culinary*  
*individual*  
*filtration*  
*largely*  
*deliver*  
*edible*  
*moisture*

# LISTENING – Guess the answers. Listen to check.

From <https://breakingnewsenglish.com/2411/241125-spaghetti.html>

- 1) It is about 200 times thinner than \_\_\_\_\_
  - a. a human hare
  - b. a human hair
  - c. a humane hair
  - d. a human heir
- 2) The pasta strands are so thin they \_\_\_\_\_
  - a. cannot be captures
  - b. cannot be capture
  - c. cannot be raptured
  - d. cannot be captured
- 3) Nor can they be seen with \_\_\_\_\_
  - a. the nude eye
  - b. the neigh kid eye
  - c. the knackered eye
  - d. the naked eye
- 4) In this procedure, an electric charge pushes a mixture of \_\_\_\_\_
  - a. flower and liquid
  - b. flour and liquid
  - c. flow and liquid
  - d. floor and liquid
- 5) It would overcook in less than a second, before you could take it out \_\_\_\_\_
  - a. oft the pane
  - b. of a pan
  - c. of the pan
  - d. of the pane
- 6) The new spaghetti will be largely used for medicinal rather \_\_\_\_\_
  - a. than culinary porpoises
  - b. than culinary perpetrates
  - c. than culinary supposes
  - d. than culinary purposes
- 7) Hypothetically, one might expect it to be chewier \_\_\_\_\_
  - a. than you'd expect
  - b. than you'd expert
  - c. than you'd inspect
  - d. than you'd expect
- 8) This could be used \_\_\_\_\_
  - a. as the scaffold
  - b. as a scarf fold
  - c. as a scaffold
  - d. as a scarf old
- 9) The bandages would \_\_\_\_\_
  - a. allows moisture through
  - b. allow moisturize through
  - c. allow moist your through
  - d. allow moisture through
- 10) The scientists say there are also \_\_\_\_\_
  - a. non-medicinal application
  - b. non-medicine all applications
  - c. none medicinal applications
  - d. non-medicinal applications

# LISTENING – Listen and fill in the gaps

From <https://breakingnewsenglish.com/2411/241125-spaghetti.html>

Researchers from University College London have created the world's thinnest spaghetti. It is about 200 times thinner (1) \_\_\_\_\_ hair. The pasta strands are so thin they cannot be captured in a photo. Nor can they be seen with (2) \_\_\_\_\_ or through a microscope. The nano-spaghetti is just 372 nanometres wide. That's (3) \_\_\_\_\_ of a centimetre. The spaghetti was made using a technique called electro-spinning. In this procedure, an electric charge (4) \_\_\_\_\_ of flour and liquid through microscopic holes. Professor Gareth Williams said: "I don't think it's useful as (5) \_\_\_\_\_ it would overcook in less than a second, before you could take it out (6) \_\_\_\_\_."

The new spaghetti will be (7) \_\_\_\_\_ medicinal rather than culinary purposes. However, Dr Adam Clancy said (8) \_\_\_\_\_. He said: "Hypothetically, one might expect it to be chewier than you'd expect". Individual strands of the nanopasta can be (9) \_\_\_\_\_ pasta net. This could be used as a scaffold for regrowing tissue. The net could also be used to create bandages that would (10) \_\_\_\_\_. The bandages would allow moisture through to the skin, but keep bacteria out. They could also help bone regeneration and (11) \_\_\_\_\_ different parts of the body. The scientists say there are also non-medicinal applications, such as its use in filtration (12) \_\_\_\_\_.



# COMPREHENSION QUESTIONS

From <https://breakingnewsenglish.com/2411/241125-spaghetti.html>

1. Where are the researchers from?
2. What can the spaghetti not be seen with?
3. How wide is one strand of the spaghetti?
4. What is the name of the method used to produce the spaghetti?
5. How long would it take to overcook the spaghetti?
6. For what purposes will the spaghetti mainly be used?
7. What could the spaghetti be spun into?
8. What could the spaghetti be used to create?
9. What could the spaghetti help to deliver to the body?
10. What non-medicinal uses could the spaghetti have?

# MULTIPLE CHOICE - QUIZ

From <https://breakingnewsenglish.com/2411/241125-spaghetti.html>

- 1) Where are the researchers from?
  - a) Sicily University
  - b) University College London
  - c) The Pasta University
  - d) The University of Cairo
- 2) What can the spaghetti not be seen with?
  - a) AI
  - b) a CT scanner
  - c) Parmesan cheese
  - d) the naked eye
- 3) How wide is one strand of the spaghetti?
  - a) 273 nanometres
  - b) 732 nanometres
  - c) 372 nanometres
  - d) 327 nanometres
- 4) What is the name of the method used to produce the spaghetti?
  - a) electro-spinning
  - b) al fresco
  - c) forking
  - d) starch-reduction
- 5) How long would it take to overcook the spaghetti?
  - a) hours
  - b) less than a second
  - c) 23 milliseconds
  - d) an age
- 6) For what purposes will the spaghetti mainly be used?
  - a) medicinal purposes
  - b) to test new recipes
  - c) culinary purposes
  - d) to test taste buds
- 7) What could the spaghetti be spun into?
  - a) a web of lies
  - b) a washing machine
  - c) a pasta web
  - d) a spider's web
- 8) What could the spaghetti be used to create?
  - a) bandages
  - b) flesh
  - c) carbohydrate
  - d) a mess
- 9) What could the spaghetti help to deliver to the body?
  - a) energy
  - b) tissue
  - c) insulin
  - d) drugs
- 10) What non-medicinal uses could the spaghetti have?
  - a) road construction
  - b) clothes repair
  - c) filtration systems
  - d) glues and adhesives

# ROLE PLAY

From <https://breakingnewsenglish.com/2411/241125-spaghetti.html>

## **Role A – Spaghetti**

You think spaghetti is the best staple food. Tell the others three reasons why. Tell them what is wrong with their staple. Also, tell the others which is the least tasty of these (and why): rice, soybeans or potatoes.

## **Role B – Rice**

You think rice is the best staple food. Tell the others three reasons why. Tell them what is wrong with their staple. Also, tell the others which is the least tasty of these (and why): spaghetti, soybeans or potatoes.

## **Role C – Soybeans**

You think soybeans are the best staple food. Tell the others three reasons why. Tell them what is wrong with their staple. Also, tell the others which is the least tasty of these (and why): rice, spaghetti or potatoes.

## **Role D – Potatoes**

You think potatoes are the best staple food. Tell the others three reasons why. Tell them what is wrong with their staple. Also, tell the others which is the least tasty of these (and why): rice, soybeans or spaghetti.

# AFTER READING / LISTENING

From <https://breakingnewsenglish.com/2411/241125-spaghetti.html>

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

spaghetti	pasta

- 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>• researchers</li><li>• human</li><li>• naked</li><li>• centimetre</li><li>• electric</li><li>• sadly</li></ul>	<ul style="list-style-type: none"><li>• largely</li><li>• expect</li><li>• spun</li><li>• bandages</li><li>• bacteria</li><li>• systems</li></ul>
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# SPAGHETTI SURVEY

From <https://breakingnewsenglish.com/2411/241125-spaghetti.html>

Write five GOOD questions about spaghetti 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.

# SPAGHETTI 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 'spaghetti'?
3. What do you think of spaghetti?
4. What's the best form of pasta?
5. How thin should spaghetti be?
6. What do you think of spaghetti that you can't see?
7. What's the best pasta dish?
8. What do you know about spaghetti?
9. What's the world's best staple food?
10. Would you like to eat spaghetti now?

*Scientists make world's thinnest spaghetti – 25th November 2024*  
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# SPAGHETTI 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 'human hair'?
13. What do you think about what you read?
14. What's the best way to cook spaghetti?
15. What do you think of using spaghetti for medicinal purposes?
16. Should spaghetti be soft or chewy?
17. What do you think of bandages made from a spaghetti net?
18. What other uses can you think of for spaghetti?
19. What's the best sauce for spaghetti?
20. What questions would you like to ask the researchers?

# 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/2411/241125-spaghetti.html>

Researchers from University College London have created the world's thinnest spaghetti. It is about 200 times thinner than a (1) \_\_\_\_\_ hair. The pasta strands are so thin they cannot be captured in a photo. (2) \_\_\_\_\_ can they be seen with the naked eye or through a microscope. The nano-spaghetti is just 372 nanometres wide. That's equivalent (3) \_\_\_\_\_ millionths of a centimetre. The spaghetti was made (4) \_\_\_\_\_ a technique called electro-spinning. In this procedure, an electric (5) \_\_\_\_\_ pushes a mixture of flour and liquid through microscopic holes. Professor Gareth Williams said: "I don't think it's useful (6) \_\_\_\_\_ pasta, sadly, as it would overcook in less than a second, before you could take it out of the pan."

The new spaghetti will be largely used for medicinal rather than (7) \_\_\_\_\_ purposes. However, Dr Adam Clancy said it is edible. He said: "Hypothetically, (8) \_\_\_\_\_ might expect it to be chewier than you'd expect". Individual strands of the nanopasta can be spun into a pasta net. This could be used as a (9) \_\_\_\_\_ for regrowing tissue. The net could also be used to create bandages that would help wounds heal. The bandages would allow moisture (10) \_\_\_\_\_ to the skin, but keep bacteria out. They could also help (11) \_\_\_\_\_ regeneration and deliver drugs to different parts of the body. The scientists say there are also non-medicinal applications, such as its use (12) \_\_\_\_\_ filtration systems and batteries.

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

- |     |              |             |             |                |
|-----|--------------|-------------|-------------|----------------|
| 1.  | (a) humane   | (b) humanly | (c) human   | (d) humanist's |
| 2.  | (a) Nor      | (b) Not     | (c) Now     | (d) Never      |
| 3.  | (a) to       | (b) at      | (c) on      | (d) by         |
| 4.  | (a) using    | (b) usage   | (c) used    | (d) user       |
| 5.  | (a) chug     | (b) chagrin | (c) change  | (d) charge     |
| 6.  | (a) is       | (b) has     | (c) was     | (d) as         |
| 7.  | (a) culinary | (b) aviary  | (c) actuary | (d) nary       |
| 8.  | (a) each     | (b) all     | (c) once    | (d) one        |
| 9.  | (a) scaffold | (b) snuffle | (c) scuffle | (d) truffle    |
| 10. | (a) over     | (b) through | (c) up      | (d) throughout |
| 11. | (a) eye      | (b) bone    | (c) foot    | (d) moustache  |
| 12. | (a) in       | (b) of      | (c) at      | (d) by         |



# SPELLING

From <https://breakingnewsenglish.com/2411/241125-spaghetti.html>

## Paragraph 1

1. or through a ccpemioosr
2. That's tvnaugelie to millionths of a centimetre
3. a eihcnutqe called electro-spinning
4. In this pdoercreu
5. moircoicpcs holes
6. it would ykroceo in less than a second

## Paragraph 2

7. used for medicinal rather than lycuanir purposes
8. caotelthiyhpl, one might expect it to be chewier
9. allow eoisumrt through to the skin
10. They could also help bone oiereegrntna
11. there are also non-medicinal iocplnsaitap
12. its use in lutfroaiin systems and batteries

# PUT THE TEXT BACK TOGETHER

From <https://breakingnewsenglish.com/2411/241125-spaghetti.html>

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

- ( ) 372 nanometres wide. That's equivalent to millionths of a centimetre. The spaghetti was made
- ( ) times thinner than a human hair. The pasta strands are so thin they cannot be captured
- ( ) strands of the nanopasta can be spun into a pasta net. This could be used as a scaffold for regrowing
- ( ) medicinal applications, such as its use in filtration systems and batteries.
- ( ) tissue. The net could also be used to create bandages that would help wounds heal. The bandages would allow moisture
- ( ) drugs to different parts of the body. The scientists say there are also non-
- ( ) liquid through microscopic holes. Professor Gareth Williams said: "I don't think it's useful
- ( **1** ) Researchers from University College London have created the world's thinnest spaghetti. It is about 200
- ( ) through to the skin, but keep bacteria out. They could also help bone regeneration and deliver
- ( ) in a photo. Nor can they be seen with the naked eye or through a microscope. The nano-spaghetti is just
- ( ) The new spaghetti will be largely used for medicinal rather than culinary purposes. However, Dr Adam Clancy said it is
- ( ) edible. He said: "Hypothetically, one might expect it to be chewier than you'd expect". Individual
- ( ) using a technique called electro-spinning. In this procedure, an electric charge pushes a mixture of flour and
- ( ) as pasta, sadly, as it would overcook in less than a second, before you could take it out of the pan."

# PUT THE WORDS IN THE RIGHT ORDER

From <https://breakingnewsenglish.com/2411/241125-spaghetti.html>

1. thinnest created spaghetti . world's have Researchers the
2. than 200 thinner hair . times It's human a
3. photos . thin they cannot captured So in be
4. technique made was called Spaghetti a electro-spinning . using
5. than a overcook in less second . would It
6. It it might you'd than expect to expect be chewier .
7. be could bandages . also used Nets create to
8. skin . the through would to allow moisture Bandages
9. drugs to body . the parts different Deliver of
10. are scientists there The say non-medicinal applications . also

# CIRCLE THE CORRECT WORD (20 PAIRS)

From <https://breakingnewsenglish.com/2411/241125-spaghetti.html>

Researchers from University College London have created the world's thinnest spaghetti. It is about 200 times thinner than a *humane / human* hair. The pasta *stands / strands* are so thin they cannot be captured *on / in* a photo. Nor can they be seen with the *naked / nude* eye or through a microscope. The nano-spaghetti is just 372 nanometres *width / wide*. That's equivalent to millionths of *a / the* centimetre. The spaghetti was made using a technique called electro-spinning. *In / On* this procedure, an electric charge pushes a mixture of *flower / flour* and liquid through microscopic holes. Professor Gareth Williams said: "I don't think it's useful *has / as* pasta, sadly, as it would overcook in less than a second, before you could take it out *of / off* the pan."

The new spaghetti will be largely used for medicinal rather *than / that* culinary purposes. However, Dr Adam Clancy said it *is / be* edible. He said: "Hypothetically, *one / once* might expect it to be chewier than you'd expect". Individual strands of the nanopasta can be *spinning / spun* into a pasta net. This could be used as a scaffold *for / as* regrowing tissue. The net could also be used to create *bandage / bandages* that would help wounds *heel / heal*. The bandages would allow moisture through to the skin, but keep bacteria *in / out*. They could also help bone regeneration and deliver drugs to different parts of *a / the* body. The scientists say there are also non-medical applications, such as its *use / used* in filtration systems and batteries.

**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)

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R\_s\_\_rch\_rs fr\_m \_n\_v\_rs\_ty C\_ll\_g\_ L\_nd\_n h\_v\_  
cr\_\_t\_d th\_ w\_rld's th\_nn\_st sp\_gh\_tt\_. \_t \_s \_b\_\_t  
200 t\_m\_s th\_nn\_r th\_n \_ h\_m\_n h\_\_r. Th\_ p\_st\_  
str\_nds \_r\_ s\_ th\_n th\_y c\_nn\_t b\_ c\_pt\_r\_d \_n \_  
ph\_t\_. N\_r c\_n th\_y b\_ s\_\_n w\_th th\_ n\_k\_d \_y\_ \_r  
thr\_\_gh \_ m\_cr\_sc\_p\_. Th\_ n\_n\_-sp\_gh\_tt\_ \_s j\_st 372  
n\_n\_m\_tr\_s w\_d\_. Th\_t's \_q\_\_v\_l\_nt t\_ m\_ll\_\_nths \_f \_  
c\_nt\_m\_tr\_. Th\_ sp\_gh\_tt\_ w\_s m\_d\_ \_s\_ng \_  
t\_chn\_q\_\_ c\_ll\_d \_l\_ctr\_-sp\_nn\_ng. \_n th\_s pr\_c\_d\_r\_,  
\_n \_l\_ctr\_c ch\_rg\_ p\_sh\_s \_ m\_xt\_r\_ \_f fl\_\_r \_nd  
l\_q\_\_d thr\_\_gh m\_cr\_sc\_p\_c h\_l\_s. Pr\_f\_ss\_r G\_r\_th  
W\_ll\_\_ms s\_\_d: "\_ d\_n't th\_nk \_t's \_s\_f\_l \_s p\_st\_,  
s\_dly, \_s \_t w\_\_ld \_v\_rc\_\_k \_n l\_ss th\_n \_ s\_c\_nd,  
b\_f\_r\_ y\_\_ c\_\_ld t\_k\_ \_t \_\_t \_f th\_ p\_n."

Th\_ n\_w sp\_gh\_tt\_ w\_ll b\_ l\_rg\_ly \_s\_d f\_r m\_d\_c\_n\_l  
r\_th\_r th\_n c\_l\_n\_ry p\_rp\_s\_s. H\_w\_v\_r, Dr \_d\_m  
Cl\_ncy s\_\_d \_t \_s \_d\_bl\_. H\_ s\_\_d: "Hyp\_th\_t\_c\_lly,  
\_n\_ m\_gh\_t \_xp\_ct \_t t\_ b\_ ch\_w\_\_r th\_n y\_\_'d  
\_xp\_ct". \_nd\_v\_d\_\_l str\_nds \_f th\_ n\_n\_p\_st\_ c\_n b\_  
sp\_n \_nt\_ \_ p\_st\_ n\_t. Th\_s c\_\_ld b\_ \_s\_d \_s \_  
sc\_ff\_ld f\_r r\_gr\_w\_ng t\_ss\_\_. Th\_ n\_t c\_\_ld \_ls\_ b\_  
\_s\_d t\_ cr\_\_t\_ b\_nd\_g\_s th\_t w\_\_ld h\_lp w\_\_nds h\_\_l.  
Th\_ b\_nd\_g\_s w\_\_ld \_ll\_w m\_\_st\_r\_ thr\_\_gh t\_ th\_  
sk\_n, b\_t k\_\_p b\_ct\_r\_\_ \_\_t. Th\_y c\_\_ld \_ls\_ h\_lp  
b\_n\_ r\_g\_n\_r\_t\_\_n \_nd d\_l\_v\_r dr\_gs t\_ d\_ff\_r\_nt p\_rts  
\_f th\_ b\_dy. Th\_ sc\_\_nt\_sts s\_y th\_r\_ \_r\_ \_ls\_ n\_n-  
m\_d\_c\_n\_l \_ppl\_c\_t\_\_ns, s\_ch \_s \_ts \_s\_ \_n f\_ltr\_t\_\_n  
syst\_ms \_nd b\_tt\_r\_\_s.

# PUNCTUATE THE TEXT AND ADD CAPITALS

From <https://breakingnewsenglish.com/2411/241125-spaghetti.html>

researchers from university college london have created the worlds thinnest spaghetti it is about 200 times thinner than a human hair the pasta strands are so thin they cannot be captured in a photo nor can they be seen with the naked eye or through a microscope the nanopaghetti is just 372 nanometres wide thats equivalent to millionths of a centimetre the spaghetti was made using a technique called electrospinning in this procedure an electric charge pushes a mixture of flour and liquid through microscopic holes professor gareth williams said i dont think its useful as pasta sadly as it would overcook in less than a second before you could take it out of the pan

the new spaghetti will be largely used for medicinal rather than culinary purposes however dr adam clancy said it is edible he said hypothetically one might expect it to be chewier than youd expect individual strands of the nanopasta can be spun into a pasta net this could be used as a scaffold for regrowing tissue the net could also be used to create bandages that would help wounds heal the bandages would allow moisture through to the skin but keep bacteria out they could also help bone regeneration and deliver drugs to different parts of the body the scientists say there are also nonmedicinal applications such as its use in filtration systems and batteries

# PUT A SLASH ( / ) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2411/241125-spaghetti.html>

Researchers from University College London have created the world's thinnest spaghetti. It is about 200 times thinner than a human hair. The pasta strands are so thin they cannot be captured in a photo. Nor can they be seen with the naked eye or through a microscope. The nano-spaghetti is just 372 nanometres wide. That's equivalent to a millionth of a centimetre. The spaghetti was made using a technique called electro-spinning. In this procedure, an electric charge pushes a mixture of flour and liquid through microscopic holes. Professor Gareth Williams said: "I don't think it's useful as pasta, sadly, as it would overcook in less than a second, before you could take it out of the pan." The new spaghetti will be largely used for medicinal rather than culinary purposes. However, Dr Adam Clancy said it is edible. He said: "Hypothetically, one might expect it to be chewier than you'd expect". Individual strands of the nano-pasta can be spun into a pasta net. This could be used as a scaffold for regrowing tissue. The net could also be used to create bandages that would help wounds heal. The bandages would allow moisture through to the skin, but keep bacteria out. They could also help bone regeneration and deliver drugs to different parts of the body. The scientists say there are also non-medicinal applications, such as its use in filtration systems and batteries.







# 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. SPAGHETTI:** Make a poster about spaghetti. Show your work to your classmates in the next lesson. Did you all have similar things?

**4. FOOD AS MEDICINE:** Write a magazine article about creating all medicines as food. 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 spaghetti. Ask him/her three questions about it. Give him/her three of your opinions on spaghetti. Read your letter to your partner(s) in your next lesson. Your partner(s) will answer your questions.

# ANSWERS

## VOCABULARY (p.4)

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

## TRUE / FALSE (p.5)

- 1 F    2 F    3 T    4 F    5 F    6 T    7 T    8 F

## SYNONYM MATCH (p.5)

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

## COMPREHENSION QUESTIONS (p.9)

1. University College London
2. The naked eye
3. 372 nanometres
4. Electro-spinning
5. Less than a second
6. Medicinal purposes
7. A pasta web
8. Bandages
9. Drugs
10. Filtration systems and batteries

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

1. Researchers have created the world's thinnest spaghetti.
2. It's 200 times thinner than a human hair.
3. So thin they cannot be captured in photos.
4. Spaghetti was made using a technique called electro-spinning.
5. It would overcook in less than a second.
6. It might expect it to be chewier than you'd expect.
7. Nets could also be used to create bandages.
8. Bandages would allow moisture through to the skin.
9. Deliver drugs to different parts of the body.
10. The scientists say there are also non-medical applications.

## 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 ;-)