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## Level 2

### Nobel chemistry prize for molecule photos

7th October, 2017

<https://breakingnewsenglish.com/1710/171007-chemistry-2.html>

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Please try Levels 0, 1 and 3. They are (a little) harder.

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# THE READING

From <https://breakingnewsenglish.com/1710/171007-chemistry-2.html>

The Nobel Prize in chemistry has gone to three scientists for their work with molecules. The scientists will share the \$1,090,000 prize. They found a special way of taking photos of molecules. Molecules are the smallest building blocks in the cells in our body. Everything and everyone is made of molecules. The scientists developed a technique called cryo-electron microscopy (cryo-EM). This lets scientists zoom in to amazing new levels. Scientists can now see things in our bodies never seen before. They can see how the building blocks of life move.

The Nobel Prize committee said the new technique will change science forever. The technique has "moved biochemistry into a new era". It added: "Soon, there will be no more secrets. Now we can see the...details of [molecules] in every corner of our cells and every drop of our body fluids. We can understand how they are built and how they act and how they work together....We are facing a revolution in biochemistry." A professor said there were many practical uses for the technique. Scientists can now look at the building blocks of viruses and find cures for many diseases.

Sources: <http://www.bbc.com/news/science-environment-41495621>  
<http://www.sciencemag.org/news/2017/10/cold-clear-view-life-wins-chemistry-nobel>  
<https://www.newyorker.com/tech/elements/seeing-the-invisible-world-with-the-2017-nobel-prize-in-chemistry>

# PHRASE MATCHING

From <https://breakingnewsenglish.com/1710/171007-chemistry-2.html>

## PARAGRAPH ONE:

- |                                   |                        |
|-----------------------------------|------------------------|
| 1. The Nobel Prize                | a. a technique         |
| 2. The scientists will share the  | b. seen before         |
| 3. the cells in                   | c. \$1,090,000 prize   |
| 4. Everything and everyone is     | d. blocks of life move |
| 5. The scientists developed       | e. our body            |
| 6. This lets scientists zoom      | f. made of molecules   |
| 7. see things in our bodies never | g. in chemistry        |
| 8. how the building               | h. in                  |

## PARAGRAPH TWO:

- |                                   |                       |
|-----------------------------------|-----------------------|
| 1. the new technique will change  | a. of our cells       |
| 2. there will                     | b. for many diseases  |
| 3. in every corner                | c. they work together |
| 4. We can understand how          | d. science forever    |
| 5. how they act and how           | e. for the technique  |
| 6. many practical uses            | f. they are built     |
| 7. look at the building blocks of | g. be no more secrets |
| 8. find cures                     | h. viruses            |

# LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/1710/171007-chemistry-2.html>

The Nobel Prize in chemistry (1) \_\_\_\_\_ three scientists for their work with molecules. The scientists will share the \$1,090,000 prize. They found (2) \_\_\_\_\_ of taking photos of molecules. Molecules are the smallest building blocks in the (3) \_\_\_\_\_ body. Everything and everyone is made of molecules. The scientists developed (4) \_\_\_\_\_ cryo-electron microscopy (cryo-EM). This lets scientists (5) \_\_\_\_\_ amazing new levels. Scientists can now see things in our bodies never seen before. They can see how the building blocks (6) \_\_\_\_\_.

The Nobel Prize committee said the new technique will change science forever. (7) \_\_\_\_\_ "moved biochemistry into a new era". It added: "Soon, there will be (8) \_\_\_\_\_. Now we can see the...details of [molecules] in every corner of our cells and (9) \_\_\_\_\_ our body fluids. We can understand how they (10) \_\_\_\_\_ how they act and how they work together....We are facing a revolution in biochemistry." A professor said there were (11) \_\_\_\_\_ for the technique. Scientists can now look at the building blocks of viruses and (12) \_\_\_\_\_ many diseases.

# PUT A SLASH ( / ) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/1710/171007-chemistry-2.html>

The Nobel Prize in chemistry has gone to three scientists for their work with molecules. The scientists will share the \$1,090,000 prize. They found a special way of taking photos of molecules. Molecules are the smallest building blocks in the cells in our body. Everything and everyone is made of molecules. The scientists developed a technique called cryo-electron microscopy (cryo-EM). This lets scientists zoom into amazing new levels. Scientists can now see things in our bodies never seen before. They can see how the building blocks of life move. The Nobel Prize committee said the new technique will change science forever. The technique has "moved biochemistry into a new era". It added: "Soon, there will be no more secrets. Now we can see the... details of [molecules] in every corner of our cells and every drop of our body fluids. We can understand how they are built and how they act and how they work together.... We are facing a revolution in biochemistry." A professor said there were many practical uses for the technique. Scientists can now look at the building blocks of viruses and find cures for many diseases.

# CHEMISTRY SURVEY

From <https://breakingnewsenglish.com/1710/171007-chemistry-4.html>

Write five GOOD questions about chemistry 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.

## WRITE QUESTIONS & ASK YOUR PARTNER(S)

Student A: Do not show these to your speaking partner(s).

a) \_\_\_\_\_

b) \_\_\_\_\_

c) \_\_\_\_\_

d) \_\_\_\_\_

e) \_\_\_\_\_

f) \_\_\_\_\_

*Nobel chemistry prize for molecule photos – 7th October, 2017*  
More free lessons at [breakingnewsenglish.com](http://breakingnewsenglish.com)

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## WRITE QUESTIONS & ASK YOUR PARTNER(S)

Student B: Do not show these to your speaking partner(s).

a) \_\_\_\_\_

b) \_\_\_\_\_

c) \_\_\_\_\_

d) \_\_\_\_\_

e) \_\_\_\_\_

f) \_\_\_\_\_

