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Level 2

Researchers find Einstein's space waves

14th February, 2016

<http://www.breakingnewsenglish.com/1602/160214-gravitational-waves-2.html>

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Please try Levels 0 and 1 (easier) and the 26–page Level 3 (harder).

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THE READING

From <http://www.breakingnewsenglish.com/1602/160214-gravitational-waves-2.html>

Scientists have seen something amazing in space for the first time. They saw gravitational waves. These are waves in space that are similar to ripples in water. They move outwards from the centre. Gravitational waves start when giant space objects hit each other. Albert Einstein first spoke about waves in space in 1916 in his General Theory of Relativity. One hundred years later, the researchers have proved Einstein was right. The researchers used powerful technology to see the waves. Einstein did not have this technology. He used his genius to predict the waves existed.

The discovery of gravitational waves is one of the most important discoveries ever. A scientist from Arizona State University said it was as important as the invention of the telescope. It will let scientists see many new things in space and answer questions about our universe. The scientist said: "It has opened a new window on the universe." He added that: "Using gravitational waves to explore the universe will allow us to see things we could have never seen before." He said it was beautiful that the discovery happened 100 years after Einstein's prediction.

Sources: <http://canadajournal.net/science/researchers-prove-albert-einsteins-theory-of-relativity-42835-2016/>
<http://gadgets.ndtv.com/science/news/gravitational-waves-detection-proves-albert-einsteins-century-old-theory-801468>
<https://thespacereporter.com/2016/02/gravitational-waves-detected-century-einstein-proposed/>

MATCHING

From <http://www.breakingnewsenglish.com/1602/160214-gravitational-waves-2.html>

PARAGRAPH ONE:

- | | |
|---|---------------------------------|
| 1. Scientists have seen something | a. the centre |
| 2. similar | b. about waves in space in 1916 |
| 3. They move outwards from | c. to ripples in water |
| 4. waves start when giant space | d. was right |
| 5. Einstein first spoke | e. to see the waves |
| 6. researchers have proved Einstein | f. amazing in space |
| 7. researchers used powerful technology | g. the waves existed |
| 8. He used his genius to predict | h. objects hit each other |

PARAGRAPH TWO:

- | | |
|--|---------------------------------|
| 1. one of the most important discoveries | a. window on the universe |
| 2. as important as the invention | b. seen before |
| 3. It will let scientists see many | c. ever |
| 4. answer | d. after Einstein's prediction |
| 5. It has opened a new | e. new things in space |
| 6. explore the | f. of the telescope |
| 7. see things we could have never | g. universe |
| 8. 100 years | h. questions about our universe |

LISTEN AND FILL IN THE GAPS

From <http://www.breakingnewsenglish.com/1602/160214-gravitational-waves-2.html>

Scientists have seen something (1) _____ for the first time. They saw gravitational waves. These are waves in space that (2) _____ ripples in water. They move outwards from the centre. Gravitational waves start when giant space objects (3) _____. Albert Einstein first spoke about waves in space in 1916 in his General Theory of Relativity. One hundred years later, the researchers (4) _____ Einstein was right. The researchers used powerful technology to see the waves. Einstein (5) _____ this technology. He used his genius to predict the (6) _____.

The discovery of gravitational waves (7) _____ most important (8) _____. A scientist from Arizona State University said it was as important as the invention of the telescope. It will let scientists (9) _____ things in space and answer questions about our universe. The scientist said: "It has opened a new window (10) _____." He added that: "Using gravitational waves to explore the universe will allow us to see things we could (11) _____ before." He said it was beautiful that the discovery (12) _____ years after Einstein's prediction.

PUT A SLASH (/) WHERE THE SPACES ARE

From <http://www.breakingnewsenglish.com/1602/160214-gravitational-waves-2.html>

Scientists have seen something amazing in space for the first time. They saw gravitational waves. These are waves in space that are similar to ripples in water. They move outwards from the centre. Gravitational waves start when giant space objects hit each other. Albert Einstein first spoke about waves in space in 1916 in his General Theory of Relativity. One hundred years later, the researchers have proved Einstein was right. The researchers used powerful technology to see the waves. Einstein did not have this technology. He used his genius to predict the waves existed. The discovery of gravitational waves is one of the most important discoveries ever. A scientist from Arizona State University said it was as important as the invention of the telescope. It will let scientists see many new things in space and answer questions about our universe. The scientist said: "It has opened a new window on the universe." He added that: "Using gravitational waves to explore the universe will allow us to see things we could have never seen before." He said it was beautiful that the discovery happened 100 years after Einstein's prediction.

WRITE QUESTIONS & ASK YOUR PARTNER(S)

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

a)

b)

c)

d)

e)

f)

g)

h)

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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)

g)

h)
