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Level 2

Stephen Hawking explained multiverses in final paper

21st March, 2018

<https://breakingnewsenglish.com/url-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/url-2.html>

The world-famous cosmologist Stephen Hawking published an important paper two weeks before he died on March 14, aged 76. He published his final theory called "A Smooth Exit from Eternal Inflation". He explained two ideas. The first was how humans might be able to find multiverses. These are other universes that were made at the same time as our universe, after the Big Bang. The second theory is about how our universe will end, when the stars run out of energy. Scientists say his paper could be his most important ever, and that he could have won a Nobel Prize for it.

Hawking explained his older theory called inflation. This is when our universe was made from a tiny point in space into the billions of stars we have today. Hawking suggested there were many big bangs and each of them made its own universe. He called this collection of universes a multiverse. Hawking believed scientists could find the multiverse by using sensors on space ships. A professor of cosmology said: "These ideas offer the breathtaking prospect of finding evidence...of other universes." Hawking is also famous for his best-selling book "A Brief History of Time".

Sources: <https://www.telegraph.co.uk/science/2018/03/18/stephen-hawking-leaves-behind-breathtaking-final-multiverse/>
<http://www.independent.co.uk/news/science/stephen-hawking-end-universe-world-death-smooth-exit-eternal-inflation-astrophysics-a8262611.html>
<http://metro.co.uk/2018/03/18/stephen-hawking-predicted-the-end-of-the-world-in-new-research-submitted-before-he-died-7396316/>

PHRASE MATCHING

From <https://breakingnewsenglish.com/url-2.html>

PARAGRAPH ONE:

- | | |
|-----------------------------------|---------------------|
| 1. two weeks | a. important ever |
| 2. his final | b. will end |
| 3. other universes that were made | c. won |
| 4. how our universe | d. before he died |
| 5. when the stars run | e. Prize |
| 6. his paper could be his most | f. theory |
| 7. he could have | g. out of energy |
| 8. a Nobel | h. at the same time |

PARAGRAPH TWO:

- | | |
|---------------------------------------|----------------------|
| 1. Hawking explained his | a. universes |
| 2. our universe was made | b. own universe |
| 3. billions | c. selling book |
| 4. each of them made its | d. prospect |
| 5. find the multiverse by | e. from a tiny point |
| 6. These ideas offer the breathtaking | f. using sensors |
| 7. finding evidence of other | g. older theory |
| 8. famous for his best- | h. of stars |

LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/url-2.html>

The world-famous cosmologist Stephen Hawking published an important paper (1) _____ he died on March 14, aged 76. He published (2) _____ called "A Smooth Exit from Eternal Inflation". He explained two ideas. The first was how humans (3) _____ to find multiverses. These are other universes that were made at the (4) _____ our universe, after the Big Bang. The second theory is about how our (5) _____, when the stars run out of energy. Scientists say his paper could be his (6) _____, and that he could have won a Nobel Prize for it.

Hawking explained (7) _____ called inflation. This is when our universe was made from a tiny (8) _____ into the billions of stars we have today. Hawking suggested there were many (9) _____ each of them made its own universe. He called (10) _____ universes a multiverse. Hawking believed scientists (11) _____ multiverse by using sensors on space ships. A professor of cosmology said: "These ideas offer the breathtaking prospect of finding evidence...of other universes." Hawking is also (12) _____ best-selling book "A Brief History of Time".

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/url-2.html>

The world-famous cosmologist Stephen Hawking published an important paper two weeks before he died on March 14, aged 76. He published his final theory called "A Smooth Exit from Eternal Inflation". He explained two ideas. The first was how humans might be able to find multiverses. There are other universes that were made at the same time as our universe, after the Big Bang. The second theory is about how our universe will end, when the stars run out of energy. Scientists say his paper could be his most important ever, and that he could have won a Nobel Prize for it. Hawking explained his older theory called inflation. This is when our universe was made from a tiny point in space into the billions of stars we have today. Hawking suggested there were many big bangs and each of them made its own universe. He called this collection of universes a multiverse. Hawking believes scientists could find the multiverse by using sensors on spaceships. A professor of cosmology said: "These ideas offer the breathtaking prospect of finding evidence... of other universes." Hawking is also famous for his best-selling book "A Brief History of Time".

OUR UNIVERSE SURVEY

From <https://breakingnewsenglish.com/url-4.html>

Write five GOOD questions about Our universe 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) _____

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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) _____

WRITING

From <https://breakingnewsenglish.com/url-2.html>

Write about **our universe** for 10 minutes. Read and talk about your partner's paper.
