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Level 1

Stephen Hawking explained multiverses in final paper

21st March, 2018

<https://breakingnewsenglish.com/180321-multiverse-1.html>

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Please try Levels 0, 2 and 3. They are (a little) harder.

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THE READING

From <https://breakingnewsenglish.com/180321-multiverse-1.html>

The world-famous scientist Stephen Hawking published an important paper two weeks before he died, aged 76. He called it "A Smooth Exit from Eternal Inflation". He explained how humans could find multiverses. These are other universes made at the same time as our universe, after the Big Bang. He also wrote about how our universe will end, after the stars run out of energy. This paper could be his most important ever. He could have won a Nobel Prize.

Hawking explained his idea of inflation. This is when our universe was made from a tiny point in space. This was after the Big Bang. Hawking suggested there were many big bangs and each of them made a universe. All of these universes are a multiverse. Scientists could find the multiverse by using sensors on space ships. Stephen 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/180321-multiverse-1.html>

PARAGRAPH ONE:

- | | |
|----------------------------------|---------------------|
| 1. The world- | a. he died |
| 2. published an important | b. out of energy |
| 3. two weeks before | c. the same time |
| 4. He explained how humans could | d. paper |
| 5. other universes made at | e. will end |
| 6. how our universe | f. famous scientist |
| 7. after the stars run | g. important ever |
| 8. This paper could be his most | h. find multiverses |

PARAGRAPH TWO:

- | | |
|-------------------------------|------------------|
| 1. Hawking explained his idea | a. big bangs |
| 2. our universe was made from | b. the Big Bang |
| 3. This was after | c. using sensors |
| 4. there were many | d. of inflation |
| 5. each of them made a | e. selling book |
| 6. All of these universes are | f. universe |
| 7. find the multiverse by | g. a tiny point |
| 8. famous for his best- | h. a multiverse |

LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/180321-multiverse-1.html>

(1) _____ scientist Stephen Hawking published an important paper (2) _____ he died, aged 76. He called it "A Smooth Exit from Eternal Inflation". He explained how (3) _____ multiverses. These are other universes made at the (4) _____ our universe, after the Big Bang. He also wrote about how our universe will end, after the (5) _____ of energy. This paper could be his most important ever. He (6) _____ a Nobel Prize.

Hawking explained his (7) _____. This is when our universe was made from (8) _____ in space. This was after the Big Bang. Hawking suggested there were many big bangs and (9) _____ made a universe. All of these universes (10) _____. Scientists could find the multiverse by using (11) _____ ships. Stephen Hawking is (12) _____ his best-selling book "A Brief History of Time".

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/180321-multiverse-1.html>

The world-famous scientist Stephen Hawking published an important paper two weeks before he died, aged 76. He called it "A Smooth Exit from Eternal Inflation". He explained how humans could find multiverses. These are other universes made at the same time as our universe, after the Big Bang. He also wrote about how our universe will end, after the stars run out of energy. This paper could be his most important ever. He could have won a Nobel Prize. Hawking explained his idea of inflation. This is when our universe was made from a tiny point in space. This was after the Big Bang. Hawking suggested there were many big bangs and each of them made a universe. All of these universes are a multiverse. Scientists could find them by using sensors on spaceships. Stephen Hawking is also famous for his best-selling book "A Brief History of Time".

OUR UNIVERSE SURVEY

From <https://breakingnewsenglish.com/180321-multiverse-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) _____

