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Level 4 – 22nd August, 2021

Nuclear fusion test could start an energy revolution

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

<https://breakingnewsenglish.com/2108/210822-nuclear-fusion-4.html>

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Please try Levels 5 and 6. They are (a little) harder.

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THE READING

From <https://breakingnewsenglish.com/2108/210822-nuclear-fusion-4.html>

There has been a long search for sustainable energy sources. One source scientists want to create is nuclear fusion. Scientists have worked for decades on this. Researchers in the USA say they created it for a fraction of a second. Powerful lasers blasted a target to create a reaction that lasted just 100 trillionths of a second. It created 10 quadrillion watts of power. This is the same as 6 per cent of the Sun's energy hitting Earth at any given time.

Nuclear fusion powers the Sun. This energy source could solve our environmental challenges. It could provide endless, safe, clean and green power. A physicist spoke about the breakthrough. She said it is a "huge advance" and a big step toward generating "a net-positive amount of energy". Futurism.com said it was "an infinite supply of carbon-neutral energy without ever running the risk of a nuclear meltdown".

Sources: <https://www.cnet.com/news/get-20-off-an-entire-year-of-nordvpn-and-protect-your-online-activity-for-only-47-20/>
<https://www.yahoo.com/lifestyle/nuclear-fusion-breakthrough-could-unlock-215644282.html>
<https://futurism.com/scientists-edge-fusion-power-breakthrough>

PHRASE MATCHING

From <https://breakingnewsenglish.com/2108/210822-nuclear-fusion-4.html>

PARAGRAPH ONE:

- | | |
|------------------------------------|---------------------|
| 1. sustainable energy | a. blasted a target |
| 2. One source scientists | b. of a second |
| 3. Scientists have worked for | c. of power |
| 4. for a fraction | d. Sun's energy |
| 5. powerful lasers | e. sources |
| 6. 100 trillionths | f. decades on this |
| 7. It created 10 quadrillion watts | g. of a second |
| 8. 6 per cent of the | h. want to create |

PARAGRAPH TWO:

- | | |
|----------------------------|---------------------|
| 1. Nuclear fusion powers | a. supply |
| 2. solve our environmental | b. the risk |
| 3. endless, safe, clean | c. challenges |
| 4. A physicist spoke about | d. meltdown |
| 5. an infinite | e. the breakthrough |
| 6. carbon | f. the Sun |
| 7. without ever running | g. and green power |
| 8. nuclear | h. neutral energy |

LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/2108/210822-nuclear-fusion-4.html>

There has been a (1) _____ sustainable energy sources. One (2) _____ to create is nuclear fusion. Scientists have worked for (3) _____. Researchers in the USA say they created it for a (4) _____ second. Powerful lasers blasted a target to create a reaction that lasted (5) _____ of a second. It created 10 quadrillion watts of power. This is the same as 6 per cent of the Sun's energy hitting Earth at (6) _____.

Nuclear fusion powers the Sun. This energy source (7) _____ environmental challenges. It could provide (8) _____ and green power. A physicist spoke about the breakthrough. She said it is (9) _____ and a big step toward generating "a (10) _____ of energy". Futurism.com said it was "(11) _____ of carbon-neutral energy without (12) _____ risk of a nuclear meltdown".

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2108/210822-nuclear-fusion-4.html>

There has been a long search for sustainable energy sources. One source scientists want to create is nuclear fusion. Scientists have worked for decades on this. Researchers in the USA say they created it for a fraction of a second. Powerful lasers blasted a target to create a reaction that lasted just 100 trillionths of a second. It created 10 quadrillion watts of power. This is the same as 6 percent of the Sun's energy hitting Earth at any given time. Nuclear fusion powers the Sun. This energy source could solve our environmental challenges. It could provide endless, safe, clean and green power. A physicist spoke about the breakthrough. She said it is a "huge advance" and a big step toward generating "a net-positive amount of energy". Futurism.com said it was "an infinite supply of carbon neutral energy with out ever running the risk of a nuclear meltdown".

CLEAN ENERGY SURVEY

From <https://breakingnewsenglish.com/2108/210822-nuclear-fusion-4.html>

Write five GOOD questions about clean energy 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) _____

