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Level 2 – 6th January, 2022

China's artificial sun five times hotter than real sun

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<https://breakingnewsenglish.com/2201/220106-artificial-sun-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/2201/220106-artificial-sun-2.html>

China set a record for the highest heat ever recorded. Scientists created a 70,000,000°C "artificial sun". The record was for keeping the heat at a temperature five times hotter than the sun for more than 17 minutes. The heat was created in a nuclear fusion reactor. The reactor is part of a project called EAST. It reproduces the reactions that happen inside our sun. The scientists are developing the artificial sun to get a near-endless supply of clean energy. The EAST project has cost more than \$950 billion. That will be over \$1 trillion later this year.

Scientists have tried for decades to develop nuclear fusion. It is the best way to produce clean energy. The process needs no fossil fuels and leaves no dangerous waste. If scientists can make it work, the world will be greener and cleaner. It could also mean lower fuel bills. Nuclear fusion technology is still not advanced enough to be a global industry. However, a nuclear fusion expert says the EAST project is an important step. He said: "The recent operation lays a solid scientific and experimental foundation towards the running of a fusion reactor."

Sources: http://www.china.org.cn/china/2022-01/01/content_77964589.htm
<https://news.yahoo.com/china-switches-artificial-sun-five-105253561.html>
<http://www.xinhuanet.com/english/20211231/415ad5413d0f4f4880de7cb64972bbf0/c.html>

PHRASE MATCHING

From <https://breakingnewsenglish.com/2201/220106-artificial-sun-2.html>

PARAGRAPH ONE:

- | | |
|--------------------------------------|--------------------|
| 1. China set | a. later this year |
| 2. at a temperature five times | b. called EAST |
| 3. The reactor is part of a project | c. artificial sun |
| 4. the reactions that happen | d. \$950 billion |
| 5. The scientists are developing the | e. hotter |
| 6. a near-endless supply | f. a record |
| 7. cost more than | g. of clean energy |
| 8. That will be over \$1 trillion | h. inside our sun |

PARAGRAPH TWO:

- | | |
|--|-------------------------|
| 1. Scientists have tried | a. important step |
| 2. develop nuclear | b. fuels |
| 3. It is the best way to | c. foundation |
| 4. The process needs no fossil | d. fusion |
| 5. If scientists can make | e. produce clean energy |
| 6. It could also mean lower | f. it work |
| 7. the EAST project is an | g. for decades |
| 8. a solid scientific and experimental | h. fuel bills |

LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/2201/220106-artificial-sun-2.html>

China (1) _____ for the highest heat ever recorded. Scientists created a 70,000,000°C "artificial sun". The record was (2) _____ heat at a temperature five times hotter than the sun for more than 17 minutes. The heat (3) _____ a nuclear fusion reactor. The reactor is part of (4) _____ EAST. It reproduces the reactions that happen inside our sun. The scientists are developing the artificial (5) _____ a near-endless supply of clean energy. The EAST project has cost more than \$950 billion. That will be over \$1 trillion (6) _____.

Scientists have (7) _____ to develop nuclear fusion. It is the best way to produce clean energy. The process needs (8) _____ and leaves no dangerous waste. If scientists can make it work, the world will be (9) _____. It could also mean lower fuel bills. Nuclear fusion technology is still (10) _____ to be a global industry. However, a nuclear (11) _____ the EAST project is an important step. He said: "The recent operation lays a solid scientific and experimental foundation towards the (12) _____ fusion reactor."

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2201/220106-artificial-sun-2.html>

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THE SUN SURVEY

From <https://breakingnewsenglish.com/2201/220106-artificial-sun-2.html>

Write five GOOD questions about the sun 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/2201/220106-artificial-sun-2.html>

Write about **the sun** for 10 minutes. Read and talk about your partner’s paper.
