

Technical English Final Test

Name: School:

Last name: Date:

I. Vocabulary matching

Paragraph 1

- | | |
|----------------|---|
| 1. Set | a. Created the best of something (a record) for others to try and beat or better. |
| 2. temperature | b. A special place where a nuclear reaction takes place. |
| 3. Artificial | c. How hot or cold someone or something is. |
| 4. Heat | d. Very great; reaching a high or the highest degree. |
| 5. Extreme | e. Made by people, not nature. |
| 6. reactor | f. The quality of being hot. |
| 7. supply | g. Make something that is needed or wanted available to someone. |

Paragraph 2

- | | |
|-------------------|---|
| 8. decade | h. A printed or written paper showing the money owed for goods or services. |
| 9. nuclear fusion | i. The part that is left over and not needed after a process has taken place. |
| 10. fossil fuel | j. A period of ten years. |
| 11. waste | k. An area of business activity (e.g. tourism, health, cars, oil...). |
| 12. bill | l. A reaction in which atoms react to release energy. |
| 13. industry | m. The basic thing needed to build on or develop from. |
| 14. foundation | n. Coal, oil and gas. |

II. Synonym match: (The words on the left are from the news article.)

- | | |
|---------------|---------------|
| 1 set | a create |
| 2 Keeping | b established |
| 3 Extreme | c base |
| 4 Reproduces | d limitless |
| 5 Endless | e great |
| 6 Develop | f specialist |
| 7 way | g maintaining |
| 8 Lower | h method |
| 9 Expert | i copies |
| 10 Foundation | j reduced |

III. Language Cloze

China has (1) a record for creating the highest heat ever recorded. Scientists created temperatures of (2) to 70,000,000°C in an "artificial sun". The new record was for keeping the heat at a temperature that is five times hotter than the sun. It did (3) for more than 17 minutes. The extreme heat was created in a nuclear fusion reactor. The reactor is part of the Experimental Advanced Super- conducting Tokamak project (EAST). It (4) the natural reactions that happen inside our sun and other stars. The scientists want to develop the artificial sun to create a (5) - endless supply of clean energy. The EAST project has cost China more than \$950 billion. Total costs will (6) over \$1 trillion this year.

Scientists around the world have been (7) for decades to develop nuclear fusion. They say it is the best way (8) produce clean energy. The nuclear fusion process needs no fossil fuels and leaves behind (9) dangerous waste. If scientists can make it work, the world will become greener and cleaner. It could also mean (10) fuel bills. EAST set the new record in a laboratory. Nuclear fusion technology is still not advanced (11) to become a global industry. However, researcher Dr Gong Xianzu, 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 (12) of a fusion reactor."

Listen, and write the correct letters "a", "b", "c" or "d" from the table below in the above article.



- | | | | |
|--------------------|----------------|-------------|----------------|
| 1. (a) set | (b) let | (c) bet | (d) wet |
| 2. (a) down | (b) along | (c) up | (d) over |
| 3. (a) these | (b) them | (c) this | (d) there |
| 4. (a) takes place | (b) occurs | (c) happens | (d) reproduces |
| 5. (a) near | (b) close | (c) far | (d) distant |
| 6. (a) walk | (b) run | (c) chase | (d) dash |
| 7. (a) try | (b) tries | (c) Tried | (d) trying |
| 8. (a) for | (b) to | (c) Of | (d) at |
| 9. (a) not | (b) never | (c) No | (d) no's |
| 10. (a) cheaply | (b) decrease | (c) lesser | (d) lower |
| 11. (a) ample | (b) sufficient | (c) plenty | (d) enough |
| 12. (a) walking | (b) running | (c) dashing | (d) sprinting |

IV. Multiple Choice Quiz

Write the letters "a", "b", "c" or "d" to answer the next questions:

- 1) What temperature did the scientists create?
a) 70,000,000°C
b) 17,000,000°C
c) 77,000,000°C
d) 7,000,000°C
- 2) Is it hotter than the sun?
a) Yes, It is.
b) No, It isn't.
c) Yes, It did.
d) No, It didn't.
- 3) For how long was the record temperature maintained?
a) 18 minutes
b) 15 minutes
c) 17 minutes
d) 16 minutes
- 4) Did it do this for less than 17?
a) Yes, It is.
b) No, It isn't.
c) Yes, It did.
d) No, It didn't.
- 5) What is the abbreviation for the project?
a) FAST
b) EAST
c) BEAST
d) YEAST
- 6) Where does nuclear fusion take place naturally?
a) inside plants
b) power stations
c) inside our bodies
d) inside our sun
- 7) How much will costs rise to later this year?
a) over \$1 trillion
b) around \$1 trillion
c) exactly \$1 trillion
d) just under \$1 trillion
- 8) Have scientists around the world tried it for centuries?
a) Yes, they did.
b) No, they didn't.
c) Yes, they have.
d) No, they haven't.
- 9) For how long have scientists been working on nuclear fusion?
a) years
b) millennia
c) centuries
d) decades
- 10) What does nuclear fusion not need?
a) lots of cash
b) fossil fuels
c) a laboratory
d) atoms
- 11) What could be lower because of nuclear fusion?
a) global temperatures
b) snowfall
c) stress
d) fuel bills
- 12) Is this technology advanced enough?
a) Yes, It is.
b) No, It isn't.
c) Yes, It did.
d) No, It didn't.
- 13) What is nuclear fusion still not advanced enough to be?
a) safe
b) a game-changer
c) a global industry
d) cheap
- 14) What is Dr Gong Xianzu an expert on?
a) the sun
b) nuclear fusion
c) global industries
d) laboratories