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Level 1 – 24th November, 2022

Work starts on beaming solar energy from space

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

<https://breakingnewsenglish.com/2211/221124-solar-energy-from-space-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/2211/221124-solar-energy-from-space-1.html>

There is a climate crisis. We need to stop using fossil fuels, like oil and gas. The European Space Agency (ESA) has started a project to test giant solar farms in space. The ESA hopes to send energy wirelessly from space into people's homes. A spokesperson said one solar-farm satellite could make the same amount of electricity as a power station. The ESA wants to put many of these farms in orbit. They could cut our use of fossil fuels and end energy shortages.

The ESA project is called Solaris. The ESA wants "a clean and secure energy future". It said solar power from space could be very helpful. It said we needed to become carbon-neutral, and change the way we produce energy. It said we needed to cut the use of fossil fuels. It added that solar farms could "solve a lot of problems". The farms will be around 1.7 km long. This is bigger than the International Space Station, which is 110 m long.

Sources: https://www.esa.int/Enabling_Support/Space_Engineering_Technology/SOLARIS/SOLARIS2
<https://www.bbc.com/news/science-environment-62982113>
<https://scitechdaily.com/esa-solaris-wireless-power-beamed-down-from-space/>

PHRASE MATCHING

From <https://breakingnewsenglish.com/2211/221124-solar-energy-from-space-1.html>

PARAGRAPH ONE:

- | | |
|----------------------------------|-------------------|
| 1. There is a climate | a. satellite |
| 2. stop using fossil fuels, like | b. in orbit |
| 3. send energy wirelessly from | c. shortages |
| 4. one solar-farm | d. station |
| 5. make the same amount | e. crisis |
| 6. a power | f. space |
| 7. put many of these farms | g. oil and gas |
| 8. end energy | h. of electricity |

PARAGRAPH TWO:

- | | |
|----------------------------------|--------------------|
| 1. The ESA project is | a. 1.7 km long |
| 2. a clean and secure | b. Space Station |
| 3. we needed to become carbon- | c. produce energy |
| 4. change the way we | d. energy future |
| 5. cut the use | e. neutral |
| 6. solve a | f. called Solaris |
| 7. the farms will be around | g. of fossil fuels |
| 8. bigger than the International | h. lot of problems |

LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/2211/221124-solar-energy-from-space-1.html>

There (1) _____ crisis. We need to stop using fossil fuels, (2) _____ gas. The European Space Agency (ESA) has started a (3) _____ giant solar farms in space. The ESA hopes to send energy wirelessly from space (4) _____. A spokesperson said one solar-farm satellite could make the (5) _____ electricity as a power station. The ESA wants to put many of these farms in orbit. They (6) _____ use of fossil fuels and end energy shortages.

The ESA (7) _____ Solaris. The ESA wants "a clean and secure energy future". It said solar power from space could (8) _____. It said we needed to become carbon-neutral, and (9) _____ we produce energy. It said we needed to (10) _____ of fossil fuels. It added that solar farms could "(11) _____ of problems". The farms will be around 1.7 km long. This is (12) _____ International Space Station, which is 110 m long.

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2211/221124-solar-energy-from-space-1.html>

There is a climate crisis. We need to stop using fossil fuels, like oil and gas. The European Space Agency (ESA) has started a project to test giant solar farms in space. The ESA hopes to send energy wirelessly from space into people's homes. A spokesperson said one solar farm satellite could make the same amount of electricity as a power station. The ESA wants to put many of these farms in orbit. They could cut our use of fossil fuels and end energy shortages. The ESA project is called Solaris. The ESA wants "a clean and secure energy future". It said solar power from space could be very helpful. It said we needed to become carbon-neutral, and change the way we produce energy. It said we needed to cut the use of fossil fuels. It added that solar farms could "solve a lot of problems". The farms will be around 1.7 km long. This is bigger than the International Space Station, which is 110 m long.

SOLAR ENERGY SURVEY

From <https://breakingnewsenglish.com/2211/221124-solar-energy-from-space-4.html>

Write five GOOD questions about solar 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) _____

