

English Lesson: Solar Panels in the Desert

Based on the video: 'Why don't we cover the desert with solar panels?' (TED-Ed)

Link: <https://youtu.be/WcLpWmEpQ8>

Task 1: Match the words with their meanings

Instructions: Match the words on the left with the correct definition on the right.

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|--------------------------|--|
| 1. biodiversity | a. отражательная способность поверхности |
| 2. logistical | b. разнообразие живой природы |
| 3. feasibility | c. возможность реализации |
| 4. reflectivity (albedo) | d. связанный с логистикой |
| 5. intermittency | e. прерывистость, нестабильность |

Task 2: Fill in the gaps with the correct word

Words: feasibility – biodiversity – disruption – intermittency – geopolitical

1. Covering deserts with solar panels could cause serious _____ to local wildlife.
2. One issue with solar energy is its _____: it doesn't work at night.
3. The Sahara project raises _____ concerns between nations.
4. Scientists debate the _____ of building such massive solar farms.
5. Deserts are home to more _____ than many people expect.

Task 3: True or False?

Instructions: Write T (True) or F (False) next to each sentence.

1. The Sahara desert alone could generate enough electricity for the entire planet. (T/F)
2. Solar panels increase the reflectivity of the ground. (T/F)
3. Covering deserts in panels has no impact on ecosystems. (T/F)
4. Long-distance energy transportation is a logistical challenge. (T/F)
5. The idea of solar deserts has been implemented successfully in Antarctica. (T/F)

Task 4: Open questions

Instructions: Answer the questions in full sentences.

1. What are the main problems with installing solar panels in deserts?
2. How could solar panels change the desert's ecosystem?
3. What alternatives to desert-based solar farms are mentioned in the video?

Task 5: Mini Writing Task

Write 4–5 sentences on the topic:

Do you think covering the desert with solar panels is a good idea? Why or why not?

Use at least 3 words from the vocabulary list.