name: class: date:

Harnessing the Sun

1. Fill in the gaps with the right words!
2. Scan the QR code to check your answers interactively!
3. Copy the text in your exercise book!
4. Formulate the content of the text yourself!
   Use all gap words!

The Earth receives a vast amount of energy from the _____ every day. This energy is both clean and abundant, making it a perfect _____ for generating electricity. Solar panels, also known as photovoltaic cells, convert _____ directly into electricity. Unlike fossil fuels, solar power does not emit harmful _____ into the atmosphere, making it an environmentally friendly option.

The basic unit of a solar panel is the solar _____. These cells are made from materials like silicon, which can absorb _____ from sunlight and create an electric current. When many _____ are connected together, they form a solar panel. A group of solar panels working together is called a solar _____. To power homes and businesses, solar arrays are often installed on _____ or in large, open areas called solar farms.

One of the main advantages of solar energy is its _____. It is a resource that cannot be depleted over time, unlike coal or oil. However, solar power does face challenges such as the need for _____. This means that energy generation is lower during the night or on cloudy days. To address this, energy storage systems like _____ are used to store excess power generated during sunny periods.

Solar power is becoming increasingly _____ as technology advances and production costs decrease. Governments and private sectors are investing in solar energy, recognizing its _____ to meet global energy demands sustainably. This is important because the _____ for energy continues to grow, and transitioning to renewable energy sources like solar power is crucial for combating climate _____.

In conclusion, solar power plays a vital role in the renewable energy landscape. Its benefits include reducing greenhouse _____ emissions, decreasing dependence on fossil fuels, and providing a sustainable way to meet the _____'s energy needs. As we move forward, the importance of solar energy is only set to _____, making it a key player in the transition to a cleaner, more sustainable energy future.

sunlight	world	affordable	source	potential	demand	change	sun	increase	gas
pollutants	batteries	sunlight	cell	array	cells	rooftops	renewability	photons	

Reference: https://materials.school/educational-activities/task-collection/environmental-science/harnessing-sun (created with ChatGPT)