

# Renewable energy

Fill in the gaps. There is a Word bank to help you



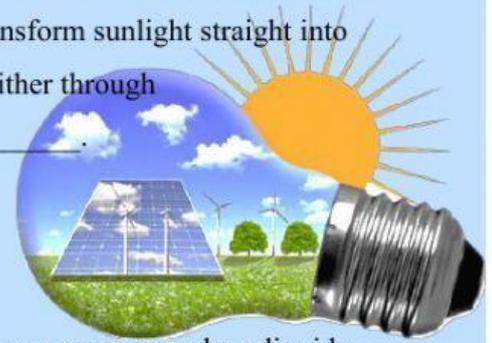
restored   rooftop panels   stable   toxins   advantages   clean   area   neighborhoods   humans  
world   weather conditions   homeowner   economically   exploiting   buildings   silicon   unused

Renewable energy is often called \_\_\_\_\_ energy. It comes from natural sources or processes that are constantly \_\_\_\_\_. One of such energy sources is solar energy. Did you know that more energy from the sun falls on the earth in one hour than is used by everyone in the \_\_\_\_\_ in one year?

\_\_\_\_\_ have been \_\_\_\_\_ solar energy for thousands of years - to stay warm, grow crops and dry foods. Solar cells are made from \_\_\_\_\_ or other materials that transform sunlight straight into electricity. Solar systems produce power locally for homes and businesses, either through \_\_\_\_\_

\_\_\_\_\_ or community projects that power entire \_\_\_\_\_

Solar energy has \_\_\_\_\_ and some limitations.



The two main benefits:

- Solar energy systems do not produce air pollutants, \_\_\_\_\_, greenhouse gases or carbon dioxide.
- Solar energy systems on \_\_\_\_\_ have minimal effects on the environment.

Limitations include:

- The amount of sunlight reaching the earth's surface is not \_\_\_\_\_. The amount of sunlight differs depending on time of day, season of the year, location and \_\_\_\_\_.
- Because the amount of sunlight reaching a square meter of the earth's surface is rather small, so in order to get necessary amount of electricity a large \_\_\_\_\_ needs to be utilized for solar panels.

Some solar-powered homes generate more electricity than they require, allowing the \_\_\_\_\_ to sell \_\_\_\_\_ power back to the network. Batteries are also an \_\_\_\_\_ charming way to store extra solar energy so that it can be used at night.

