

# SUPER SOLAR ENERGY FACTS

Using the words from the previous page, fill in the blanks below to learn about the sun, solar panels, and solar energy!

- \* The sun is made up of \_\_\_\_\_, the fourth state of matter which occurs when a gas gets so hot that the \_\_\_\_\_ break apart.
- \* The \_\_\_\_\_ is more than 92.9 million miles away from \_\_\_\_\_, and it takes just about 8 minutes for sunlight to reach us!
- \* Just one \_\_\_\_\_ of sunlight is enough to power all of our \_\_\_\_\_ needs for an entire \_\_\_\_\_.
- \* Solar panels generate \_\_\_\_\_ when sunlight is absorbed into the silicon cells.
- \* Sunlight energizes the \_\_\_\_\_, causing them to flow along the wiring in the panel, creating an electrical \_\_\_\_\_.
- \* While solar panels generate \_\_\_\_\_ current electricity, your home runs on \_\_\_\_\_ current electricity, which flows in both directions instead of one.
- \* To convert DC electricity to AC electricity, a solar array sends the DC current through an \_\_\_\_\_.
- \* A solar \_\_\_\_\_ can last more than 40 years, making clean, \_\_\_\_\_ energy for your home!

