

Name \_\_\_\_\_



## Solar Energy Connections

The Sun provides energy that humans have learned to capture and use in many ways. From powering homes to cooking food, solar energy shows up in real-life situations all around us. In this activity, you'll match examples of **renewable solar energy uses** to everyday scenarios.

Match the **scenario in Column A** with the correct **solar energy use in Column B**. Write the letter of the correct match next to each number.

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|--|-----------------------------------|
| 1. A neighborhood uses panels on rooftops to supply electricity without relying on fossil fuels.   | A. Solar water heating            |
| 2. A family enjoys a meal cooked in a special oven that uses reflective panels to trap heat.       | B. Solar panels (photovoltaics)   |
| 3. A large desert farm uses mirrors to focus sunlight on towers that heat water and produce steam. | C. Solar-powered chargers         |
| 4. A person uses a small device powered by sunlight to charge their phone while hiking.            | D. Solar ovens                    |
| 5. A home heats its water tank using pipes that absorb the Sun's warmth directly.                  | E. Concentrated solar power (CSP) |
| 6. City street lamps turn on at night using batteries charged by sunlight during the day.          | F. Solar-powered lighting         |

**Reflection Question:** In 3-4 sentences, explain why using solar energy is better for the environment than using fossil fuels.

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