

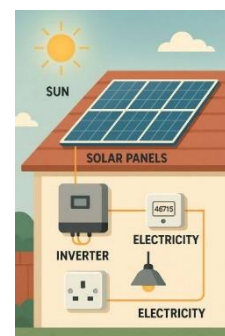
Writing Process Description Paragraphs

How Engineers Explain Processes

By the end of this lesson, you will be able to:

- ✓ Identify the structure of a process description paragraph.
- ✓ Use sequencing expressions correctly.
- ✓ Describe the stages of a renewable energy process.
- ✓ Write a well-organized process description paragraph.

Which renewable energy source is most common in Argentina?
Do you know how a solar power system works?



RENEWABLE ENERGY VOCABULARY. Match each word with its function.

WORD	FUNCTION
1. Solar panel	A. Stores electricity
2. Charge controller	B. Energy used by devices
3. Battery	C. Movement of electricity
4. Inverter	D. Regulates electrical flow
5. Electricity	E. Captures sunlight
6. Current	F. Converts DC into AC

UNDERSTAND THE PROCESS

1. What happens first?
2. What is the function of the inverter?
3. Why is the battery necessary?

INPUT → PROCESS → OUTPUT

☀️ Sunlight → ⚙️ System → ⚡ Electricity

HOW DOES A SOLAR POWER SYSTEM WORK?

A solar panel system converts sunlight into electricity for homes and buildings. First, the solar panel captures energy from the sun and produces direct current (DC) electricity. Next, the electricity flows to the charge controller. The controller regulates the flow of electricity and protects the battery. Then, the electricity follows one of two paths. It can go directly to the lights, or it can be stored in the battery for later use. After that, the battery supplies electricity when there is little or no sunlight. The electricity passes through the controller before it reaches the lights. Finally, the controller manages the entire system. It stops charging the battery when it is full and prevents the battery from sending power when it is empty. As a result, the system stores and delivers electricity safely and efficiently whenever it is needed.