

HOW IS A WIND TURBINE INSTALLED?

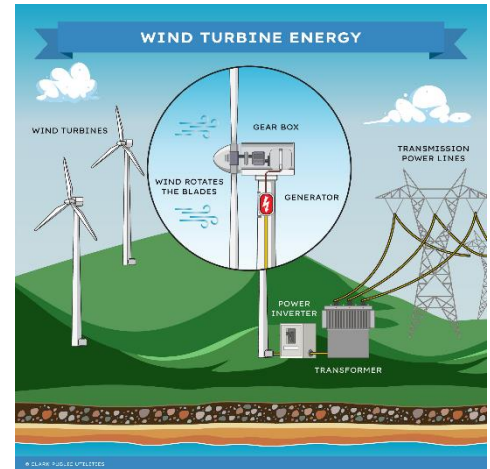
Today you will learn how to:

- ✓ identify the stages of a technical process;
- ✓ use engineering vocabulary;
- ✓ organize steps logically;
- ✓ use sequencing expressions;
- ✓ write a process description paragraph.

WHAT IS A PROCESS DESCRIPTION PARAGRAPH?

A process paragraph explains:

HOW something works or HOW something happens

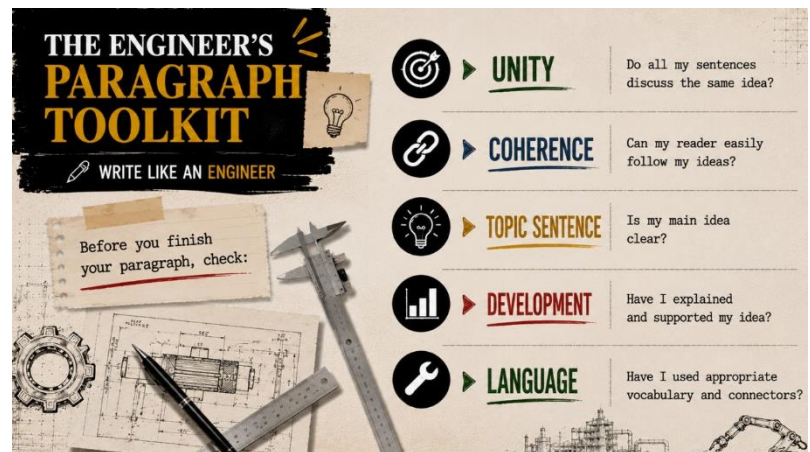


A good process paragraph:

- ✓ follows a logical order
- ✓ presents each step clearly
- ✓ uses sequencing expressions
- ✓ includes the necessary stages

Structure

Topic Sentence → Process Steps → Closing Sentence



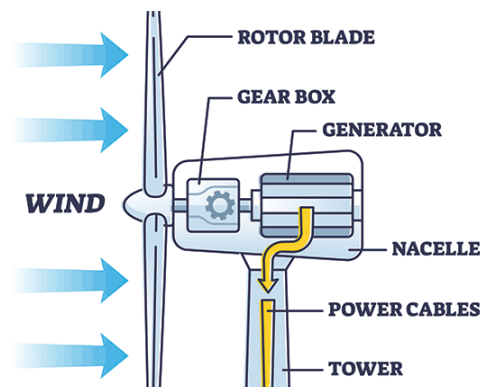
WIND ENERGY: KNOW YOUR COMPONENTS

Match each word with its definition.

- | | |
|----------------|----------------------------------|
| 1. Rotor | A. Increase the voltage |
| 2. Gearbox | B. Produce electricity |
| 3. Generator | C. Transfer energy from the wind |
| 4. Transformer | D. Make the rotation faster |
| 5. Shaft | E. Connect moving parts |

Complete the sentences with the correct word.

1. The _____ spins when the wind blows.
2. The _____ increases the speed of rotation.
3. The _____ produces electricity.
4. The _____ raises the voltage.
5. The _____ connects moving parts.



HOW DOES A WIND TURBINE WORK?

Before we talk about installation, number the stages 1–4.

☐ Send Power
Out

☐ Catch the Wind

☐ Generate
Power

☐ Speed Up the
Rotation

Now think like an engineer

The turbine cannot generate electricity until it has been installed. So, let's think about:

- Site
- Foundation
- Tower
- Nacelle
- Rotor & Blades
- Electrical System

➤ What happens first?

INSTALLATION VOCABULARY

Match the action with the meaning.

1. Prepare
2. Install
3. Assemble
4. Connect
5. Secure
6. Inspect

A. Check carefully
B. Put equipment in the correct position
C. Make something ready
D. Join two systems or components
E. Put parts together
F. Make something stable or safe

SEQUENCING EXPRESSIONS

BEGINNING

First,
First of all,
Initially,

MIDDLE

Next,
Then,
After that,
Subsequently,

END

Finally,
Eventually,
As a result,

Writing Task



OBJECTIVE

Write a coherent process description paragraph.

Choose **ONE** renewable energy process.

- 1  How a solar power system works
- 2  How a wind turbine generates electricity
- 3  How a hydroelectric power plant works
- 4  How geothermal energy produces electricity



REQUIREMENTS

- ✓ ABC about 100 words
- ✓ sentence
- ⇒ Logical sequence
- At least six transition words
- Technical vocabulary
- ✗ Closing sentence

Peer Review & Reflection



Evaluate and improve writing through peer feedback.

Exchange your paragraph with a partner.

- ✓ Does the paragraph have a clear topic sentence? 
- ✓ Are the steps in the correct order? 
- ✓ Are transition words used correctly? 
- ✓ Is engineering vocabulary accurate? 
- ✓ Is there a concluding sentence? 



REFLECTION

- ♥ What was the most difficult part of writing the paragraph?
- ♥ Which transition words did you use most often?
- ♥ How can process writing help engineers communicate technical information clearly?