

UNIT: ELECTRICAL CIRCUITS

ACT-BASED ENGLISH: EDITING

EXERCISE: IMPROVING TECHNICAL WRITING

These **editing exercises and ACT-style English questions** focus on **grammar, sentence structure, clarity, and word choice**, reinforcing key ACT English skills while keeping the content relevant to your **electrical circuits unit**.

OBJECTIVE:

Students will **revise sentences** to improve clarity, conciseness, and grammatical accuracy.

STUDENT DIRECTIONS:

Each sentence below contains an error or could be improved. Have students **rewrite** each sentence in a clearer, more concise, or grammatically correct way.

1. Wordiness & Clarity
Original: The flow of electric current that moves through a conductor is something that happens when there is a voltage difference applied across the two ends of the conductor.
Edited:
2. Sentence Fragment
Original: When the circuit is open and the current cannot flow.
Edited:
3. Subject-Verb Agreement
Original: The voltage and the current in a series circuit **determines** the total resistance.
Edited:
4. Misplaced Modifier
Original: The students observed the current with a multimeter, which was flowing through the circuit.
Edited:

5. Parallel Structure

Original: The engineer designed the circuit to be **efficient, reliable, and with low energy loss.**

Edited:

ACT-STYLE MULTIPLE CHOICE QUESTION:**Question 1 (Conciseness & Clarity)****Original Sentence:**

"Electric circuits are used in many types of technology that are commonly seen every day in life."

- Which of the following is the **best** revision for conciseness?
 - A. Electric circuits are used in everyday technology.
 - B. Electric circuits are commonly used in technology that people see daily.
 - C. Many different types of technology make use of electric circuits that are used daily.
 - D. Electric circuits are a thing that many types of technology commonly use every day.

Question 2 (Grammar – Subject-Verb Agreement)**Original Sentence:**

"The voltage in a parallel circuit, along with the current, determine the overall power consumption."

- Which revision **corrects the subject-verb agreement error**?
 - A. The voltage in a parallel circuit, along with the current, determines the overall power consumption.
 - B. The voltage in a parallel circuit, along with the current, determining the overall power consumption.
 - C. The voltage in a parallel circuit, along with the current, are determining the overall power consumption.
 - D. The voltage in a parallel circuit, along with the current, have determined the overall power consumption.

Question 3 (Transitions & Organization)**Passage:**

"Series circuits and parallel circuits are two different ways to connect electrical components. In a series circuit, components share a single path for current flow. If one component fails, the entire circuit stops working. However, in a parallel circuit, each component has its own path. As a result, if one component fails, the others continue to function."

- Which of the following **best connects the two circuit types**?
 - A. Furthermore, both series and parallel circuits have advantages.
 - B. Similarly, series and parallel circuits operate in the same way.
 - C. However, the main difference between them is how current flows.
 - D. Therefore, a series circuit is better than a parallel circuit.

Question 4 (Punctuation – Comma Usage)

Original Sentence:

"Ohm's Law states that voltage equals current times resistance but if resistance increases current decreases."

- Which revision **corrects the punctuation error**?
 - A. Ohm's Law states that voltage equals current times resistance, but if resistance increases, current decreases.
 - B. Ohm's Law states that voltage equals current times resistance but, if resistance increases current decreases.
 - C. Ohm's Law states that voltage equals current times resistance, but if resistance increases current, decreases.
 - D. Ohm's Law states, that voltage equals current times resistance, but if resistance increases current decreases.

Question 5 (Precision & Word Choice)

Original Sentence:

"The electrical engineer tested the circuit to make sure it was good."

- Which of the following is the **best** revision for word choice and precision?
 - A. The electrical engineer tested the circuit to ensure it functioned properly.
 - B. The electrical engineer tested the circuit to make sure it was okay.
 - C. The electrical engineer examined the circuit to see if it had problems.
 - D. The electrical engineer looked at the circuit to make sure it was good.



Why These ACT English Exercises Matter in This Unit

- ✓ Improves technical writing by reinforcing **clarity, conciseness, and structure**.
- ✓ Prepares students for ACT English through **grammar, punctuation, and word choice practice**.
- ✓ Integrates STEM literacy, helping students **explain electrical circuits clearly and effectively**.