UNIT: ELECTRICAL CIRCUITS

ACT-Based Reading: Analyzing a Scientific Argument – Series vs. Parallel Circuits Answer Key

## ACT-Style MULTIPLE CHOICE QUESTION:

**Question 1 (Integration of Knowledge and Ideas):**

* Which of the following best describes the key difference between series and parallel circuits as discussed in the excerpts?

1. Series circuits are more complex than parallel circuits.
2. Parallel circuits stop functioning if one component fails.
3. Series circuits use less wiring but are less reliable.
4. Parallel circuits are mainly used in low-power devices.

***(Correct Answer: C – Series circuits use less wiring but are less reliable.)***