



## UNIT: ELECTRICAL CIRCUITS

# ACT-BASED SCIENCE: OHM'S LAW INVESTIGATION (DATA ANALYSIS & GRAPHING) ANSWER KEY

### ACT-STYLE MULTIPLE CHOICE QUESTION:

- Which of the following best describes the relationship between **voltage and current** in a circuit with a fixed resistance?
  - A. Exponential
  - B. Quadratic
  - C. **Linear**
  - D. Random

*(Correct Answer: C – The relationship follows Ohm's Law and is linear.)*