

Student Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Section 1: Multiple Choice

### 1. Which best describes Electricity & Circuits?

- A simple observation
- A complex scientific concept
- A math formula
- A social study

### 2. Higher-level analysis requires:

- Just reading
- Data, evidence, and reasoning
- Memorization only
- Creative writing

### 3. Scientific models are useful because:

- They are always correct
- They simplify complex systems
- They eliminate all error
- They replace experiments

### 4. Peer review improves science by:

- Slowing down publication
- Having experts evaluate research
- Making all results public
- Removing data

### 5. Advanced lab procedures require:

- Safety, precision, and repeated trials
- Only one measurement
- Skipping the control
- Avoiding calculations

## Section 2: Short Answer

### 1. A circuit has $V=12V$ and $R=4$ ohms. Calculate current using Ohm's Law.

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### 2. Describe the lab activity and what you expected to find: Build series and parallel circuits; measure with multimeter

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3. How does Electricity & Circuits connect to what you learned previously in science?

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**Multiple Choice Answers:**

1. B
2. B
3. B
4. B
5. A