

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

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

## Section 1: Multiple Choice

**1. In Acids, Bases & pH, the main concept is:**

- Life processes
- Energy systems
- Physical matter
- All of above

**2. Which tool would you use for this unit's lab?**

- Microscope
- Thermometer
- Balance
- All of the above

**3. Scientific models help us:**

- Prove theories
- Visualize complex concepts
- Eliminate errors
- Skip experiments

**4. Good data collection requires:**

- Only one trial
- Labeled units
- Guessing values
- Avoiding graphs

**5. A hypothesis for this unit should be:**

- Testable
- An opinion
- A fact
- A question

## Section 2: Short Answer

**1. Why does mixing an acid and a base produce a neutral solution?**

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**2. Describe the Wednesday lab activity: pH testing of household substances using cabbage juice indicator**

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**3. How does Acids, Bases & pH connect to real life?**

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**Multiple Choice Answers:**

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