Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Section\_\_\_\_\_\_\_\_

Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Science

Forming a Hypothesis

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| Testable Observations Hypothesis Research Statement Clearly defined |

Part I: Use the terms from the word bank to fill in the statements about hypotheses.

1. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is an educated guess or statement that proposes a possible explanation to some phenomenon or event.

2. A hypothesis should be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

3. A hypothesis should be written as a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

4. A hypothesis should be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

5. Hypotheses are based on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or other information

based on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Part II: State whether each statement is a hypothesis. Write **hypothesis** or **not a hypothesis** in the blank.

6. Robins prefer large birdhouses to small ones. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. The mass of a pendulum bob does not affect how long it takes the pendulum to

make one complete swing.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. Sunday is the best day to wash your car. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. Does the location of a greenhouse affect plant growth? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. The location of a greenhouse affects plant growth. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_