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

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

Theories & Opinions

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| Opinion Theory Prove Supported Hypotheses Big Bang Change |

Part I: Fill in the blanks of each sentence with a word from the word bank.

1. A Scientific \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a well-tested explanation for a wide range of observations or experimental results.

2. An \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a personal viewpoint on a certain topic.

3. Theories are different from opinions and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

4. Although it may be not be possible to definitely \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ a scientific theory, it can be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ by scientific evidence.

5. Theories can \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ over time due to new evidence that can surface with the invention of new technologies.

6. The \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ is an example of a theory and is only a theory because scientists can only observe that the universe is expanding and accelerating in all directions.

Part II: State whether each statement is a theory or an opinion.

7. Scientists have observed that humans and certain species of monkeys have many of the same attributes, they theorized that maybe humans came from monkeys. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. A scientist observed that every time he washes his car it rains that very same day. He theorized that he could make it rain any day he wanted. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. Democritus observed that materials could be broken down into smaller and smaller substances, he had several other scientists experiment with this idea and they observed the same result. Democritus theorized that there must be a type of particle that makes up all materials called atoms.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. Jasmine observed that neither of her parents has a job dealing with math. She theorized that math is an irrelevant subject to life. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_