

Name: _____

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SELF - Digital Learning Lab - Unit 1 Lesson 1 - What Do Scientists Do?

VOCABULARY:

- _____ - information that you gather with your senses
- _____ - the study of the natural world
- _____ - a statement of what you think will happen and why
- _____ - a procedure carried out to gather data about an object or event
- _____ - a person who asks questions about the natural world

SHORT ANSWER / TRUE OR FALSE:

- 1) What are some ways that scientists can learn about the natural world? _____

- 2) Explain what evidence is and how scientists use it. _____

- 3) T / F A hypothesis is just an educated guess.
- 4) An observation often leads to a _____. Scientists then realize that there must be _____ to answer the question. The scientist then sets ideas that might answer the question and chooses the best idea to test. This is the _____.
- 5) Once a scientist has developed a hypothesis and knows what evidence is needed, he/she is ready to plan an _____.
- 6) T / F An investigation is always one experiment.
- 7) T / F When investigating, a scientist always needs to do an experiment to test their hypothesis.
- 8) Scientists often make a _____ to understand how something works.
- 9) Scientists carry out investigations or _____ to see if the idea in their head actually works in reality.
- 10) How does a scientist keep from losing information? _____
- 11) Briefly describe trial and error. _____

- 12) T / F Even if evidence is measurable and repeatable, it isn't useful if it doesn't test the hypothesis.

Florida Science Fusion Benchmark 4 Review Answers

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