Name: _____ Period: _____ Date: _____

Designing an Experiment Exit Quiz – Student Edition

Decide whether the statement is true or false. Write the answer on the blank.

_____ 1. The scientific method is a process of solving problems in a systematic manner.

_____ 2. Forming a hypothesis is the first step of the scientific method.

_____ 3. Experimenting is a way to test if the hypothesis answers the problem.

_____ 4. In order for a hypothesis to be testable, scientists need to be able to carry out investigators that will either support or disprove it.

_____ 5. The experimental group is the group that is left alone during the experiment.

_____ 6. A variable is any factor that affects the scientific investigation.

_____ 7. An independent variable is a factor that is changed in an experiment.

_____ 8. A controlled variable responds to the independent variable.

_____ 9. A hypothesis is a tentative answer to problem.

_____ 10. A good hypothesis is based on fallacies.

Copyright © iTeachly.com

iTeachly