The Nature of Scientific Inquiry

True\False

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

**Write the words True or False on the lines provided. Correct the false statements.**

1. The Scientific Method is a way of designing controlled, repeatable experiments that test hypothesis. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. If your hypothesis is confirmed by your most recent lab results, it becomes a Scientific Theory. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. A Scientific Theory is a description of how a particular something works, usually involving a mathematical constant. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Scientific Theories may contain Laws within them. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. All it would take to falsify the Theory of Evolution would be confirmed fossils found in the incorrect layer of rock. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. A Scientific Theory is a well-tested explanation for a set of observations or results. \_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. A Scientific Law is less specific than a Scientific Theory. \_\_\_\_\_\_\_\_\_\_\_\_\_
8. A Scientific Theory may include many concepts that together support the theory. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. According to most scientists, dinosaurs became extinct because you didn’t clean your room. \_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. Peer Review is a way that the findings of scientists are checked and verified by random people. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_