

Name: _____

Date: _____

Period: _____

THEORY – PATTERN AND PROCESSES NOTES

Nature of Science:

1. Science is based on _____ and always changing.
 2. Scientists test explanations and predictions of natural phenomena.
 3. Some questions are outside the realm of science because they deal with phenomena that are _____ scientifically testable.
 4. Hypotheses are tentative and _____ statements that are supported or not supported by observational evidence.
 5. Hypotheses that have been many times through experimentation and with a wide variety of conditions and are incorporated into _____.
 6. A theory is what one or more hypotheses become once they have been verified and accepted to be true after _____ independent experiments.
 7. They are well-established and highly-reliable explanations, but they may be subject to _____ as new areas of science and new technologies are developed.
 8. A scientific _____ describes how a single action occurs.
 9. A scientific law is very similar to a theory except that a theory explains an entire group of related phenomena.
 10. A theory is much more _____ and dynamic.
- Which contains the most scientific knowledge: HYPOTHESIS THEORY LAW

Patterns of the Theory of Evolution

11. Often patterns of theories are called evidence. Listed below (a-e) are patterns or evidence for the Theory of Evolution. _____ is generally defined as change over time.
12. The Theory of Evolution shows that today's species _____ from more ancient forms of life. There are many different evidences of this change:
 - A. Fossils
 - B. DNA analysis
 - C. Similar body parts
 - D. Developmental Similarities
 - E. Location Similarities

