

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

Date: \_\_\_\_\_

# honors bio part 3

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|---|------------------------|
| 1. consists of six interrelated operations. Observation, question, hypothesis, prediction, experiment, conclusion   | A. eukaryotic          |
| 2. a factor in a scientific experiment that is deliberately altered in order to test a hypothesis   | B. biodiversity        |
| 3. the process of generating hypotheses about how specific experiments or observations will turn out  | C. deductive reasoning |
| 4. the process of creating a generalization based on many specific observation that support generalization, coupled with an absence of contradicting evidence | D. inductive reasoning |
| 5. a general explanation of natural phenomenon developed through extensive and reproducible observations, more general and reliable than hypothesis           | E. adaptations         |
| 6. structures, physiological processes, or behaviors that aid in survival and reproduction in a particular environment  | F. Scientific theory   |
| 7. the diversity of species and the interactions that sustain them are encompassed by the term  | G. prokaryotic         |
| 8. referring to cells of organisms of the domain Eukarya  | H. variable            |
| 9. membrane enclosed sac containing genetic material  | I. scientific method   |
| 10. referring to cells of the domains Bacteria or Archaea   | J. nucleus             |