

Biology Study Guide

Chapter 1 – The Science of Life and the God of Life

1. Study any Quizlets made for chapter 1.
2. Fully explain the characteristics of life?
3. Can nonliving things possess attributes of life? If so, which ones?
4. How many variables should change in a controlled experiment?
5. What are some sources of error that scientists can commit during research or experimentation?
6. What does it mean if the results of an experiment are valid?
7. Explain Louis Pasteur's swan-necked flask experiment.
8. Explain van Helmont's spontaneous-generation experiment.
9. Fully explain the 8 steps of the scientific method. Make sure to mention controlled experiment and variables.
10. Know/Apply the following terms:
 - Infusion
 - Creation Mandate
 - Objective lenses
 - Hypothesis
 - Independent variable
 - Deductive reasoning
 - Workable
 - Spontaneous generation
 - Refraction
 - Pure science
 - Biology
 - Assimilation
 - Biogenesis
 - Resolution
 - Survey
 - Model
 - Variations
 - Scanning electron microscope
 - Light microscope
 - Logical reasoning
 - Doctrine of Signatures
 - Bias
 - Control group
 - Data
 - Irritability
 - MRI
 - phenomenon
 - Microbes
 - Hippocrates
 - Leeuwenhoek