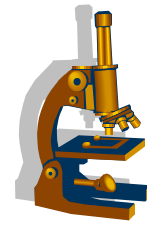


Student Study Guide - Intro Honors Biology



1. Define Metabolism, Catabolism, and Anabolism. Give examples of the reaction of catabolism and anabolism. Also, give an example of a process that would occur.
2. What is the difference between prokaryotic and eukaryotic organisms?
3. What are Chargaff's rules of Base Pairing for DNA? (10 points)
4. The Basic Ecosystem cycle.
5. Natural Selection =
6. Define Adaptation
7. Define an allele
8. Create a Table that illustrates the domains and kingdoms.
9. What are the four basic elements of all living things?
10. What are the four basic macromolecules of all living things? And, what are their subunits?
11. Define polymer = a chain of monomers (single units) joined together by covalent bonding.
12. Which of the four basic elements is most versatile, and why?
13. Which of the four basic elements is most electronegative, and why?
14. What are 5 properties of water? (identify and explain)
15. What major steps are involved with scientific Methodology? Observation, Question, Hypothesis, prediction, test.
16. Scope of Biology from atoms to ecosystems
 1. atom
 2. molecules
 3. cells
 4. tissue
 5. organs and organ systems
 6. organism
 7. population
 8. communities
 9. ecosystems
17. What are 5 basic characteristics of life.

Review all handout materials, class notes and your ticket ins.

And

STUDY!

STUDY!

STUDY!

ξ