

Topics for midterm

1. Taxonomy (Kingdom->Species)
2. Definition of life
3. Organization of life (cells->biomes)
4. Biomes (in relation to adaptations for these, like deserts/taiga)
5. Sustenance - chemotroph vs autotroph vs heterotroph
 - a. Kingdoms that specialize in each
6. Response to stress (heat, cold)
 - a. Classes of response (behavior, morphological, physiological)
 - b. Heat loss
7. Abiotic factors
8. Convergent evolution
9. Land plant evolution's effect on atmosphere
10. Evolution: fact vs theory What's the difference between microevolution and macroevolution?
11. Historical barriers to understanding evolution
12. Lamarckism vs natural selection
13. Darwin's 5 Theories of Evolution
14. Natural Selection
15. Skull features for omnivores vs herbivores vs carnivores
 - a. Some differences between specialists and generalists
 - b. General features of autotrophs vs heterotrophs
16. Behavioral ecology
 - a. Sapolsky's 3
 - b. Tournament species vs Pair-bonding species