

Principles of Biology 2 Lecture Final Exam Study Guide:

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Rules to receive the points:

1. **MUST** complete the whole study guide
2. **MUST** **handwrite** the answers in a legible manner (no typed answers will be accepted)

Start working on this now so if you have any questions I can help you.

Unit 1 Included Evolution, Ecology and Classification:

Evolution and Natural Selection:

1. Know the definition of evolution and Natural Selection.
2. Who are the scientist that contributed to Darwin's ideas on evolution and what did they contribute.
3. What is the Law of Use and Disuse?
4. Why are the finches significant to the theory of evolution?
5. During the struggle for survival, which organisms survive to pass on their traits?
6. What is Artificial Selection and give an example.
7. Define the following and know examples:
 - a. Struggle for existence
 - b. Survival of the fittest
 - c. Descent with modification
 - d. Fitness
 - e. Adaptation
8. Know the difference between Homologous structures and Analogous structures and give examples of each.
9. What is comparative embryology? Be able to look at pictures to discuss this. What is a vestigial structure and give examples in humans.
10. Difference between mimicry and camouflage and give examples.
11. What is the difference between microevolution and macroevolution?

Ecology:

1. Define Ecology
2. Difference between abiotic and biotic factors and give examples.
3. Know the levels of organization in order from least to smallest.
4. Distinguish between niche and habitat.
5. Distinguish between the types of symbiosis.
6. Distinguish between food webs and food chains and be able to identify the parts like decomposers, consumers, herbivores, etc.

Biology 2 Final Exam Study Guide

Ian Pickup



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