

1. What are the 4 areas of evidence for evolution?

2. Describe the Theory of Natural Selection.

- a. Who developed the theory?
- b. Give one example of how it works.
- c. Explain one contrasting theory.

3. According to the Hardy-Weinberg Theory, changes in the allele frequency in a population contribute to evolution.

What 4 factors contribute to changes in allele frequencies in a population? Explain each.

4. Give examples of
 - a. coevolution
 - b. convergent evolution
 - c. adaptive radiation

Explain each.

5. Contrast Gradualism vs. Punctuated Equilibrium.

6. Contrast:

- a. stabilizing selection
- b. directional selection
- c. disruptive selection

Give an example of each.

7. What did Stanley Miller do in his experiment? What did the experiment show?

8. Name and give examples of 6 types of fossils. How do we estimate the age of fossils?

9. What is the Endosymbiont Hypothesis?

Explain the evidence that supports this hypothesis.

