

Evolution & Classification Study guide

1. What is spontaneous generation (abiogenesis)? Biogenesis?
2. Who are Redi and Pasteur and what were their experiments?
3. Who is Charles Darwin? What were his observations and theories regarding natural selection and evolution?
4. What is natural selection? What are the steps that lead to natural selection?
5. What does having high fitness mean?
6. Who Alfred Russel Wallace and why is he important?
7. What is microevolution and macroevolution?
8. Who is Jean-Baptiste Lamarck and what did he believe about evolution? What does acquired characteristics and inheritance mean?
9. What is punctuated equilibrium? Gradualism? How are they different?
10. Explain how fossil records, molecular record, anatomical record, and embryology are all considered evidence of evolution. Which is the most direct evidence?
11. How can we determine the age of fossils? List and describe 2 ways.
12. What are homologous structures? Analogous structures? Vestigial structures? List examples of each.
13. What is coevolution? Give examples.
14. What is convergent evolution? Divergent evolution?
15. What is Hardy-Weinberg equilibrium and what 5 assumptions must be met in order to be in equilibrium?
16. What are the two Hardy-Weinberg equations and what does each variable represent?

Answers To Evolution And Classification Study Guide

Disha Experts



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