

Crash Course # 20 Evolution: It's a Thing Video Questions

Watch: <https://www.youtube.com/watch?v=P3GagfbA2vo>

Short Answer Format

Instructions: Answer each question in 2-3 sentences.

1. According to the source, what is the fundamental idea behind the theory of evolution?
2. How does the source differentiate between the everyday meaning of "theory" and the scientific meaning?
3. What does the fossil record primarily demonstrate about organisms from the past compared to those living today?
4. Explain how the discovery of Dorudons and later cetacean fossils with hind legs provided evidence for whale evolution.
5. What are homologous structures, and what do they suggest about different organisms?

6. How does the similarity of DNA sequences between different species provide evidence for evolution?
7. What is biogeography, and how does the distribution of marsupials around the world support the theory of evolution?
8. What did Darwin observe about finches on the Galapagos Islands that led him to hypothesize about evolutionary change?
9. Provide an example of direct observation of evolution mentioned in the source.
10. What is the difference between microevolution and macroevolution according to the source?