

AP Biology 004 – Evidence for Evolution

Video Review Sheet

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1. What evidence would show that we could be related to a whale?
2. Evolution is changes...
3. Biogeography: where...
4. Homologies: show common
5. What evidence didn't Darwin have?
6. What was the big difference between the turtles?
7. Why did the horses get larger over time?
8. How does the fossil record show that?
9. Do you have a Darwin's tubercle on your ear?
10. What was similar between the human, dog, pigeon etc.?
11. Vestigial structure (something useful in the evolutionary past) examples:
12. Mutations have accumulated over time and tell us who is
13. What were the "red letters" in the gene example?
14. Which organism did we show the most relatedness to in the BLAST (defined below) data examples:

What is BLAST?

The Basic Local Alignment Search Tool (BLAST) finds regions of local similarity between sequences. The program compares nucleotide or protein sequences to sequence databases and calculates the statistical significance of matches. BLAST can be used to infer functional and evolutionary relationships between sequences as well as help identify members of gene families.