Intervention: Natural Selection and Biodiversity

Video #1

1. What is a **Scientific** Theory?

2. Give an example.

3. What is a Hypothesis?

4. Give an example.

5. What is a **Scientific** Law?

6. Give an example.

7. Compare and contrast a theory and a law.

Video #2

8. The theory of evolution makes 2 claims, What are they?

 1.

 2.

9. Name one thing that whales and land mammals have in common.

10. Whales have the same bones in their flipper as other organisms have in their front appendages. Give an example of one organism that shares these bones with a whale.

11. Whales don’t have legs, but they do have something peculiar where legs would likely be found. Explain this.

12. What is embryology?

13. How can embryology provide evidence for evolution?

14. What is an intermediate species?

15. Evolution tells us that the further we go back in time, fossils should be more similar to each other or less similar to each other?

16. So far, what DNA is closest to what?

17. What does this mean?

Video #3

18. Explain speciation.

19. How could reproductive isolation occur?

20. Why do the birds eventually become 2 species?

21. What is geographical isolation?

22. What is biodiversity?