

Name _____

Science 8
Unit 1 Module 2
Lesson 2 – The Theory of Evolution by Natural Selection

1. What is a variation?
2. How do variations occur?
3. Are all variations harmful?
4. Who was the scientist who studied how genes worked?
5. What chain of islands had Darwin studied plants and animals on?
6. What did he notice about the tortoises?
7. What about the finches and mockingbirds, why were their beaks different?
8. Did Darwin think that all of the tortoises had a common ancestor?
9. If the tortoises neck length was beneficial for the types of food available, what happened?

10. Everything that Darwin learned about the differences in animals and how they ate their food to survive led to him to write what theory?

11. What did the theory say?

12. What is an adaptation?

13. Name and describe the three main types of adaptations.

1)

2)

3)

14. What are some environmental interactions that help an organism to survive?

15. What happens if an organism doesn't adapt?