**Evolution Please do not write on this paper!**

**1**. Go to **www.classzone.com** **2**. Select the correct Textbook in the **ClassZone Book Finder (High School Science, MD, Biology, 2008)** **3**. Click on the **Animated Biology** option. **4**. Click on the **UNIT 4: EVOLUTION** option. **5.** Click on the ***Chapter 10: Principles of Natural Selection*** option. **6.** Read the instructions and answer the following as you complete the activity.

***\*Make sure to us complete sentences in your responses.***

1. What is an example of Natural Variation in a Jaguar population?

2. What can some Variations give individuals in a population?

3. Heritable traits are:

\*Are *all* heritable traits good?

4. What will organisms be able to do if they inherit a beneficial variation?

5. Overtime, what happens to beneficial traits in a population?

Click on the ***Chapter 10: Natural Selection*** option.

6. Define natural selection.

7. What are the 4 factors that work together for natural selection to take place?

8. What is variation?

9. What is heritability?

10. What is an adaptation?

11. What is selective pressure?

Go to: [**http://www.pbs.org/wgbh/evolution/survival/coral/**](http://www.pbs.org/wgbh/evolution/survival/coral/)

12. What is the Great Barrier Reef?

13. Who built the reef? How long is the reef?

14. How many individual reefs form part of this structure?

15. How many different species of coral and seaweed, fish, mollusks and birds are found in the area?

16. How does this biodiversity evolve?

Click on the **DIVE NOW** option

17. Define Predation and Parasitism.

Swim around the reef using the cursor inside of the reef image.

Click on 2 different organisms (A and B) and describe the following for each example. Choose any reef zone.

18. Give common names and scientific names of the two organisms.

19. Describe the adaptations and how it helps the organisms survive.

Click on the COMPETITION option.

20. Define Competition.

21. Give 2 examples of organisms (A and B), common and scientific name, explain an adaptation that each of these organisms have developed.

Click on the COMENSALISM AND MUTUALISM option.

22. Define Commensalism and Mutualism.

23. Explain one of these relationships. Give both animals names and explain how they are related.