Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Section\_\_\_\_\_\_\_

Life Science Test Date \_\_\_\_\_\_\_\_\_\_\_

***Chapter 6 : Change over Time-Study Guide***

**Lesson 1: Darwin’s Theory**

1. Who was Charles Darwin? What important discoveries did he make? Where did he gather most of his data to develop his theory? What did he notice?

2. Explain the conclusions that Darwin arrived at concerning the finches on the Galapagos Islands.

3. Explain how adaptation helps organisms.

3. What events occurred that led to Darwin’s theory of evolution?

For example: From genetics- selective breeding, he learned that traits can be passed to the next generation.

4. What is evolution?

5. Describe how natural selection works. Explain the four steps- OVCS

6. Explain how mutations are important to evolution.

7. How do environmental changes lead to evolution? Give an example.

**Lesson 2: Evidence of Change**

1. Describe characteristics of “species”.

2. Explain how fossils provide evidence that organisms have evolved over time.

3. How do fossils form? What is the difference between a cast and mold fossil?

4. Explain and give an example of a vestigial structure.

5. Identify three ways that organisms can be compared to support the theory of evolution. (Similar Anatomical.…..)

**Lesson 3: Rate of Change**

1. Explain how new species form. SAD!

2. Describe the difference between gradualism and punctuated equilibrium.

**Complete the following:**

**CHAPTER REVIEW page 185-187 in your text!**

**Review ISN and each lesson in your text!**

**Go to the digital text: pearsonsuccessnet.com, go to INTERACTIVE DIGITAL PATH- Chapter 6 The Big Question- see the vocabulary flash cards…..**