**Notes: Chapter 16 Evolution Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **The Theory of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **\_\_\_\_\_\_\_\_\_\_\_\_ scientist \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ is considered the \_\_\_\_\_\_\_\_\_\_ of modern \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ theory.**

 **---- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ----- a \_\_\_\_\_\_\_\_\_\_\_\_\_ in which a breeder \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ traits.**

 **----- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ------- \_\_\_\_\_\_\_\_\_ selects organisms with \_\_\_\_\_\_\_\_\_\_\_\_\_ for a particular \_\_\_\_\_\_\_\_\_\_\_\_ survive, \_\_\_\_\_\_\_\_\_\_\_\_\_, and pass on \_\_\_\_\_\_\_\_\_ to the next generations.**

1. **Keys to Darwin’s Theory of Evolution.**
2. **Life has \_\_\_\_\_\_\_\_\_\_\_\_ on Earth for \_\_\_\_\_\_ amounts of \_\_\_\_\_\_\_\_.**
3. **All \_\_\_\_\_\_\_\_\_\_ produce \_\_\_\_\_\_ offspring than can \_\_\_\_\_\_\_\_\_\_\_\_\_ survive**
4. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ resemble their \_\_\_\_\_\_\_\_\_\_\_\_\_.**
5. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in each species \_\_\_\_\_\_\_\_\_ from one another in \_\_\_\_\_\_\_\_ ways.**
6. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ selects (Natural Selection) the \_\_\_\_\_\_\_ successful \_\_\_\_\_\_\_\_\_\_.**

**--------- Survival of the \_\_\_\_\_\_\_\_\_\_\_.**

1. **Defining Evolution**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ---- gradual \_\_\_\_\_\_\_\_\_ over time; \_\_\_\_\_\_\_\_\_\_ is an \_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_ process of \_\_\_\_\_\_\_\_\_\_\_\_\_ mutations and natural selection.**
	+ **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ -------- minor \_\_\_\_\_\_\_\_\_\_\_\_\_\_ that occur in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ over time.**
	+ **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_----- the emergence of \_\_\_\_\_\_\_\_\_\_\_\_ innovations or the \_\_\_\_\_\_\_\_\_\_ development of \_\_\_\_\_\_ structures (like wings), \_\_\_\_\_\_ organs (like lungs), and \_\_\_\_\_\_ plans(like the origin of \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_).**

**-----The \_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_, to \_\_\_\_\_\_, to \_\_\_\_\_\_\_\_\_\_ evolution.**

1. **Adaptations**
* **Any \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that \_\_\_\_\_ an organism’s chances of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in its \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
* **Examples: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, Warning \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Covering.**
1. **Other Evidence**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **Anatomy**

**--- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ structures**

**--- Analogous \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**--- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ structures**

* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**