**Evolution Notes Part 2: Evidence for Evolution**

***Formation of New Species***

1) Natural Selection causes the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to change in the population.

2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_- populations of the same species that differ genetically because of adaptations to different living conditions

3) Reproductive isolation-

Example:

4) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_- process by which new species form



5) Gradualism-

6) Punctuated equilibrium-

**Evidence for Evolution**

7) transitional fossils-

8) homologous structure-

9) analogous structure-

10) Which one comes from a common ancestor, a homologous structure or an analogous structure?



11) vestigial structure-

***Biological Molecules***



12) What molecule is commonly used to determine evolutionary relationships?

13) What does similarity in protein structures show in terms of evolution? (Close relationship or distant relationship?)

