**Evidence of Evolution**

**Date: Name:**

Read p. 382 – 385 *and* p. 454 - 455 in your textbook and take *brief* notes (2 main points for each topic) as you read which **explain the meaning or significance** of the different pieces of evidence used to support the **Theory of Evolution**. If you have extra time (after you have finished writing), feel free to add a drawing as well. The backside is *optional*, but colouring the homologous bones of the 4 different vertebrate diagrams is helpful, as is identifying common features in the vertebrate embryos.

The Fossil Record







Geographic Distribution of Living Species







Homologous Body Structures



Similarities in Embryology



Similar Genes



DNA Evidence



Molecular Clocks



 



**Evidence for Evolution**

Comparative Anatomy

* Humerus ……….. A
* Radius ………….. B
* Ulna ……………. C
* Carpals …………. D
* Metacarpals ……. E
* Phalanges ………. F

Comparative Embryology

* Fish Embryo ……… G1
* Tortoise Embryo ….. H1
* Chick Embryo …….. I1
* Human Embryo …… J1
* Fish Fetus …………. G2
* Tortoise Fetus …….. H2
* Chick Fetus ……….. I2
* Human Fetus ……... J2
* Fish Newborn …….. G3
* Tortoise Newborn … H3
* Chick Newborn …… I3
* Human Newborn ….. J3