**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

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Geographic Distribution of Living Species

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Homologous Body Structures

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Similarities in Embryology

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Similar Genes

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DNA Evidence

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Molecular Clocks

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**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