

Name _____

COMMON ANCESTRY & DIVERSITY

Directions: Answer the questions below.

Part 1 - Embryonic Development

1. Look at the pictures on the website. What is a common element to the embryos?
2. Do all the animals have this common element when they are born or as they grow?
3. Use these observations to draw a conclusion about the similarities between seemingly unrelated organisms.

Part 2 - Skeletal Development

1. How do the arm structures of humans, birds and bats all relate to each other? What are the common elements?
2. List some similarities between humans and chimpanzees.
3. How are the skeletal structures for humans more advantageous to how we move and function?
4. Does the skull of the Basset Hound more closely resemble a Coyote or an Asian Elephant?
5. Why do you think it is more similar to that animal?
6. Use your answers to draw a conclusion about how these animals are related to each other.
7. Use your answers to draw a conclusion about how humans are related to other animals.