## **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.