

HOMOLOGOUS STRUCTURES

NAME _____

DATE _____ BLOCK _____

Objective: to learn about homologous structures as evidence of evolution.

Materials: 5 different colored pencils

Procedure:

1. Look at the drawings of the appendages for the seven animals on the back page.
2. Color each of the following bones or groups of bones of the human in one color:
 - Humerus (upper arm)
 - Radius (lower arm)
 - Ulna (lower arm)
 - Carpals (wrist)
 - Metacarpals and phalanges (hand and fingers)

3. Color the corresponding bones in each of the other animals with the same color as used in the human arm.

4. Describe the function of each appendage for each animal in the following table:

Animal	Function
Frog leg	
Lizard leg	
Bird leg	
Human arm	
Cat leg	
Whale fin	
Bat wing	

5. How do the functions compare?

6. How does the bone arrangement compare among the seven animals?

