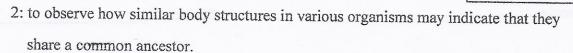
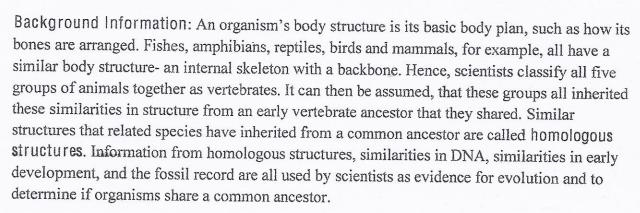
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Activity: Comparing Homologous Structures

Goals:

1: To compare limb structure in a variety of animals.





Materials: Colored pencils, glue, scissors, *Human Arm Bones* Worksheet, and *Homologous Structures* Worksheet

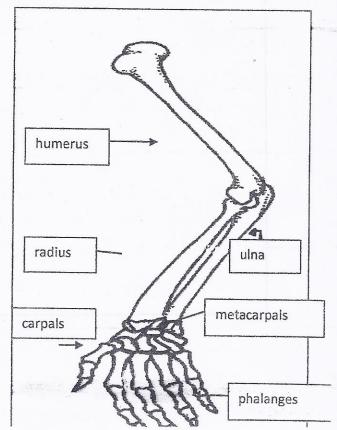
Procedures:

1: What I Know: Write at least two sentences describing what you already know about

homologous structures.

2: The diagram to the right represents the bones of the human arm. Work with a partner and familiarize yourselves with the different parts of the limb's structure. As you do so, color the bones of the human arm according to the key below.

key:
humerus- red
radius- green
ulna- blue
carpals- yellow
metacarpals- brown
phalanges- orange



3: Select any two limbs from the Homologous Structure Worksheet and color the bones according to the key. 4: Cut and paste the two limbs side by side on the table below. Species 1: Species 2:

5: Label and color the species' bones using	chart of the human arm as a reference.
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6: What I Observed: List two differences and two similarities among the human's limb and the two homologous structures you selected. Use the table below.

Species	The similarities between the species	The differences between the species
A) human		
B) Species 1:		
C) Species 2:		

7: Explain how the two homologous structures you selected is used and how they are specifically adapted for their functions.

Name of species	How is its limb used?	How its limb is well adapted for its function(s)?

Homologous Structures Worksheet

