

## Homologous Structures

The five groups of bones in the human arm include

humerus

radius

ulna

carpals

phalanges.

Each of the organisms in the diagram also has these same bones. Color code and label the bones in each of the organisms.

Answer the questions based on the diagram you completed.

1. Use what you learned to define homologous structures.
2. How do homologous structures provide evidence of evolution?
3. What structures in a bat's wing and a human's arm are homologous?
4. How are the structures of a bat's wing and a bird's wing similar?
5. How are the structures of a dolphin's flipper and a bird's wing similar?
6. How are all of these bones different from each other?