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Evidence of Evolution

BACKGROUND

Much evidence has been found to indicate that living things have evolved or changed gradually during their natural history. The study of fossils as well as work in embryology, biochemistry, and comparative anatomy provide evidence for evolution.

OBJECTIVE

In this lab you will learn about homologous, analogous and vestigial structures and their significance in evolution theory.

MATERIALS

colored pencils

PROCEDURES AND OBSERVATIONS

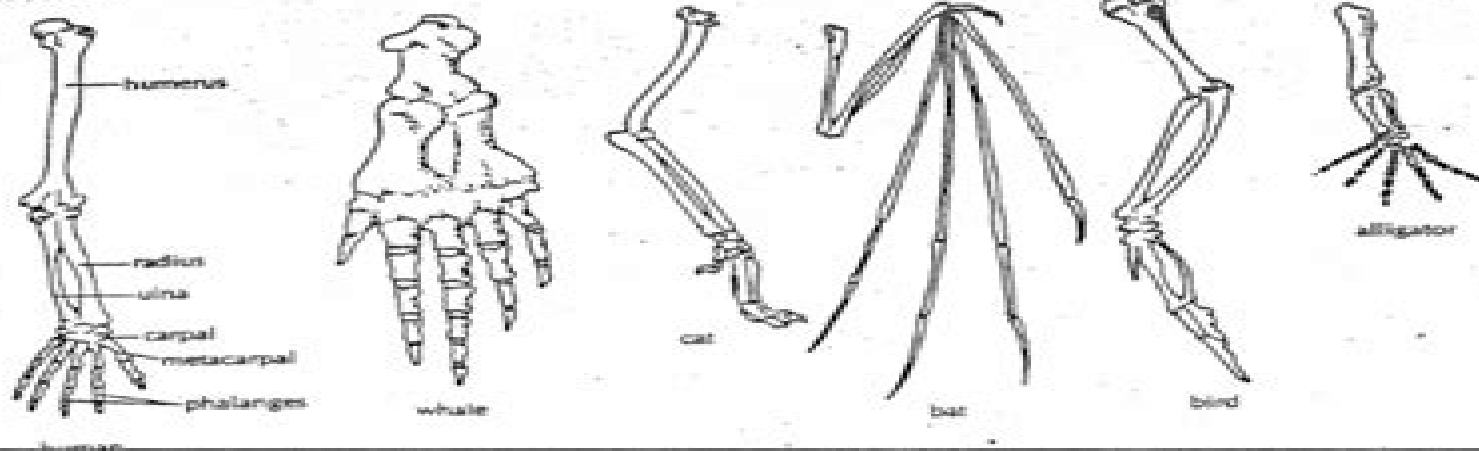
Part I. Homologous Structures.

- a. Carefully examine the drawings of the bones shown in Figure 1. Note similar positions of like bones.

1. Color each bone of the human arm a different color. (All bones of the wrist should be a

single color, the bone groups of the hand should be a different single color.) Then color the similar bone in each of the other animals the same color as the human bone.

FIGURE 1



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Alan Stern



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