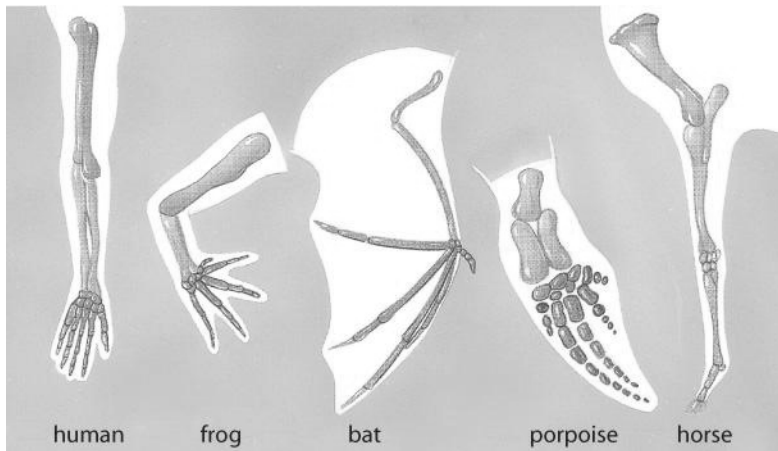


CHAPTER 4	Homologous vs. Analogous Structures Answer Key	BLM 4.2.6A
ANSWER KEY		

HOMOLOGOUS STRUCTURES

1.



2. Homologous structures such as the ones shown above have similar structural elements, for example, the three distinct groups of jointed bones and the multi-digit structure at the end. However, these structures can have different functions, as in feet and hooves for getting around on land and flippers for getting around in water. These functional differences are shaped by the organism's environment.

Homologous structures are similar because they were inherited from a common ancestor.

ANALAGOUS STRUCTURES

1.



2. Analagous structures are body parts that serve the same function in different organisms, but differ in structure and embryological development i.e., do not have a common evolutionary origin.