

Biology I

Evidence of Evolution Practice Sheet

15-2

Match the description in Column A with the term in Column B.

Column A

- _____ 1. show that the species present on Earth have changed over time
- _____ 2. thought to be the ancestor of birds
- _____ 3. are newly evolved features such as feathers
- _____ 4. are traits shared by species with a common ancestor
- _____ 5. thought to be the ancestor of armadillos

Column B

- A. glyptodont
- B. ancestral traits
- C. fossils
- D. derived traits
- E. dinosaur

In your textbook, read about comparative anatomy and comparative biochemistry.

Complete the table by checking the correct column(s) for each description.

Description	Homologous Structure	Analogous Structure	Vestigial Structure	Comparative Biochemistry
6. Modified structure seen among different groups of descendants				
7. Eyes in a blind fish				
8. DNA and RNA comparisons that might indicate evolutionary relationships				
9. Bird wings and butterfly wings that have the same function but different structures				
10. A body structure that is no longer used for its original function but that might have been used in an ancestor				

Summarize the role that anatomy plays in teaching us about evolution by completing the table below.

Structure	What is it?	Example
Homologous structure		
Analogous structure		
Vestigial structure		
Embryo		

Identify ways scientists interpret relationships among species by completing the organizer below.

