

Plus Hour #1: Geological Timeline and Cambrian Explosion

Biological Sciences 102 – Animal Biology

This assignment is worth 5 points and is the first plus hour assignment.

Using your textbook or a reliable Internet reference, answer the following questions. You may wish to search for Geologic Timeline on the Internet (there are many examples) – examine them, are they all the same?

Submission Directions

You may print out this assignment and type out the answers on another sheet(s) of paper or you may copy and past the questions into an MS Word document, type out your answers between the questions and submit them in printed form.

1. Into how many Eras is the Phanerozoic Eon divided and when did the Phanerozoic Eon begin?
2. What other Eons are recognized other than the Phanerozoic?
3. When did the Cambrian Period begin and end?
4. What is meant by the “Cambrian Explosion”?
5. During what Period did the first bony ray-finned fishes and lobe-finned fishes appear and dominant the aquatic habitats of Earth?
6. When was the Permian Extinction? Roughly what percentage of species went extinct at this mass extinction event?
7. When was the Cretaceous Extinction? Roughly what percentage of species went extinct at this mass extinction event?
8. What periods encompass the “Age of the Dinosaurs” and dominance of large reptiles?
9. What is the estimated age of the evolution of the oldest, first cell on Earth?
10. For how many years have modern humans been a component of the Biosphere?