

Geologic Time Scale Model Reflection Questions

Directions: Answer the following questions using the relative time scale model you created first, and the absolute time scale model you created last. You will also need a detailed geologic timeline provided by your teacher.

1. Compare the first and second time scale model you created. Which one do you think is more scientifically accurate? Explain your reasoning.
2. Examine the time scale model you created as well as a more detailed geologic timeline. What type of organisms were the first to develop? What type of organisms most recently developed? Why do you think this is? Use evidence from the timelines to support your answer.
3. Many movies have shown early humans and dinosaurs existing at the same time. Based on the geologic time scale model you created, is this possible? Why or why not?
4. Based on the geologic time scale model, humans have only existed on Earth for a very short period of its history. How do you think we have learned information and evidence about past life forms on Earth?
5. Approximately 543 million years ago, an event called the “Cambrian Explosion” occurred. Based on the time scale model you created as well as a more detailed geologic timeline, how do you think this event got its name?