

Name: _____ Date: _____ Period: _____

Geologic Timeline Conclusion Questions

Directions: **Discuss the following questions within your group, and answer them *in complete sentences*.**
Use the geologic time scale for reference if needed.

- 1.) Given the scale of the timeline, state the length representing a billion years, a hundred million years, 10 million years, and 1 million years.

- 2.) How many years did the Earth exist before there was evidence of life on it?

- 3.) For how many years of Earth's history did only bacteria/blue-green algae live on Earth?

- 4.) Early in Earth's history there were many volcanoes. What affect did the volcanoes have on the Earth's atmosphere?

- 5.) Algae and oxygen appeared on Earth about the same time, how do you think they are related?

- 6.) Why would you not expect to find large animals early in the Precambrian Period? Record 2 reasons.

- 7.) For how many years did the Earth exist before there were land plants and animals?

- 8.) How long did plants exist before flowering plants developed?

- 9.) At the end of which geologic periods did two mass extinction events occur?

- 10.) Name 3 possible reasons for mass extinction events.

- 11.) Could a dinosaur fossil have been found in the sediments of the Grand Canyon? Why or why not?

- 12.) Could a dinosaur have eaten early humans? Why or why not?

- 13.) What are the properties of Model Magic that make it a good material to model fossils with? List at least 3 reasons.

- 14.) Most of the rocks in the Goleta and Santa Barbara area were formed around 10 million years ago, were the Native American Chumash living then?