NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

PER \_\_\_\_\_

# “How the Earth Was Made” Video Questions

**Directions:** Answer the following questions on this paper. Complete sentences are optional. Making sense is not optional.

1. Who is considered the Father of Modern Geology?

2. According to early interpretation of the Bible, the Earth is how old?

3. Upon what did Lord Kelvin base his estimate of the age of the Earth?

4. Early radiometric dating predicted the Earth to be how old?

5. Into what does uranium radioactively decay?

6. Where did Earth’s water come from, according to leading scientific theory?

7. The nuclei of the continents appeared about 3.4 bya. What were these made of? What is interesting or different about this material?

8. How did early life affect the composition of Earth’s atmosphere?

9. How did the seas change when the iron in them oxidized?

10. Who was the meteorologist who proposed the theory of continental drift?

11. Where is Iceland located, tectonically speaking? What are some effects of being in this location?

12. How did Rodinia affect the Earth’s climate? Why was Earth’s climate affected this way?

13. What layer of the atmosphere formed after Rodinia split? Why is this important for life?

14. How does coal form? Be specific.

15. What was the latest super continent to form?

16. What TWO FACTORS probably killed off the dinosaurs?

17. Explain how the Alps are forming. Use terms from plate tectonics.

18. What land formation caused cycles of ice ages in relatively recent history? How did the land formation cause these ice ages?