History of the Earth—Test Review

1. How old is the earth?
2. What is coevolution? Give 2 examples of coevolution.
3. What is the difference between an inference and an observation?
4. What is half-life?
5. If I start with 100g of a sample, how much of the sample would be left after 1 half-life?
6. What is radioactive dating used for?
7. What is erosion?
8. What are the types of chemical weather?
9. What are the types of mechanical weathering?
10. What is the difference between mechanical weathering and chemical weathering?
11. Explain how geologists believe the Grand Canyon formed.
12. What makes an isotope different from a normal element?
13. What was Wegener’s Theory?
14. What were the pieces of evidence that supported that Pangea could have once existed?
15. Define Plate Techtonics.
16. Explain why the Statue of Liberty is a blue/green color.
17. What caused the beaches at Cape Cod to split into three parts? Where in Maryland have we seen this same occurrence?
18. How was the Water Table Lab and example of how the Grand Canyon was formed (explain this in GREAT detail)?
19. After one cycle of half-life, how much of the original sample should be left?
20. Explain how convection currents cause the Earth’s plates to move.