**Part 1. Circle the correct answer.**

1. **The Earth is this old.**
	1. 2.7 million years
	2. 500 years
	3. 4.6 billion years
2. **The following is an example of coevolution:**
	1. A spider eating insects
	2. Humans eating fish
	3. None of the above
3. **An observation is…**
	1. Based on facts
	2. Drawing a conclusion
	3. Only something you can hear
4. **An inference is…**
	1. Based on facts
	2. Drawing a conclusion
	3. Only something you can see
5. **Half-life decay is…**
	1. Living for 50 years
	2. Breaking down of an atom
	3. Losing half of your life
6. **If I start with 100g of a sample, how much of the sample would be left after 1 half-life?**
	1. 100g
	2. 75g
	3. 50g
7. **Erosion is defined as…**
	1. The gradual wearing away of earth by wind or water
	2. The building up of large rocks
	3. None of the above
8. **Radioactive dating is used for…**
	1. Finding a spouse
	2. Determining the age of materials
	3. Making bombs
9. **The types of chemical weathering are…**
	1. Oxidation, Hydrolysis, Dissolution
	2. Synthesis, Decomposition
	3. Oxidation, Synthesis, Replacement
10. **Three types of mechanical weathering are…**
	1. Frost wedging, Plant Growth, Pangea
	2. Mechanical exfoliation, Observation, Abrasion
	3. Frost Wedging, Abrasion, Plant Growth
11. **Mechanical weathering does not change the composition of material being weathered.**
	1. True
	2. False
12. **Chemical weathering changes the composition of the material being weathered.**
	1. True
	2. False
13. **The Grand Canyon formed by…**
	1. A hurricane
	2. Erosion
	3. A lightning strike
14. **An isotope differs in the number of…**
	1. Protons
	2. Neutrons
	3. Electrons
15. **Plate tectonics explains…**
	1. The movements of Earth’s continental crust
	2. The recycling of plastic plates
	3. Fossilized remains in the mantle
16. **Wegener’s Theory was called…**
	1. Erosion
	2. Pangea
	3. Half-life
17. **What cause the beaches on Cape Cod to split into three separate parts?**
	1. An earthquake
	2. It was already in 3 parts
	3. Weathering and Erosion
18. **After one cycle of half-life, how much of the original sample should be left?**
	1. 100%
	2. 75%
	3. 50%
19. **The movement of tectonic plates is caused by…**
	1. Strong winds at the Earth’s surface
	2. Convection currents in the mantle
	3. Gravitational pull of the moon
20. **Carbon-14 is primarily used for…**
	1. Determining the age of fossils
	2. Determining the age of modern artifacts
	3. Determining the age of strata layers in the Earth
21. **Deposition is when…**
	1. **Eroded parts of the Earth are moved from one point to another, usually by water**