**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**