Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Assignment:\_\_\_\_\_

Evolution Summary Sheet Part 1

**Evolution and Natural Selection**

**Evidence of Evolution**

**Structures:**

**DNA:**

**Species:**

**Fossils:**

**Radiometric Dating**

**Also complete the following chart using carbon which
 has a half life of approximately 6,000 years.**

|  |  |  |  |
| --- | --- | --- | --- |
| Number of **half-lives** that have passed | **Years** since the death of the organism | Percentage of **Carbon-14** remaining in the organism | Percentage of **Nitrogen-14** in the organism |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

1. If the half-life of Carbon-14 is approximately 6,000 years, and a fossil is found with 25% of its C-14 remaining… how old is the fossil?
2. If the half-life of Carbon-14 is approximately 6,000 years, and a sample is found with 1/8th of its original C-14 remaining… how old is the sample?
3. The half-life of iodine-131 is about 8 days. What percent of iodine-131 remains after 24 days?
4. half-life of Postassium-40 is 1.25 billion years, if a sample has 50% of its original Postassium-40 left… how old is the sample?