

Angeles City Science High School  
Science 10

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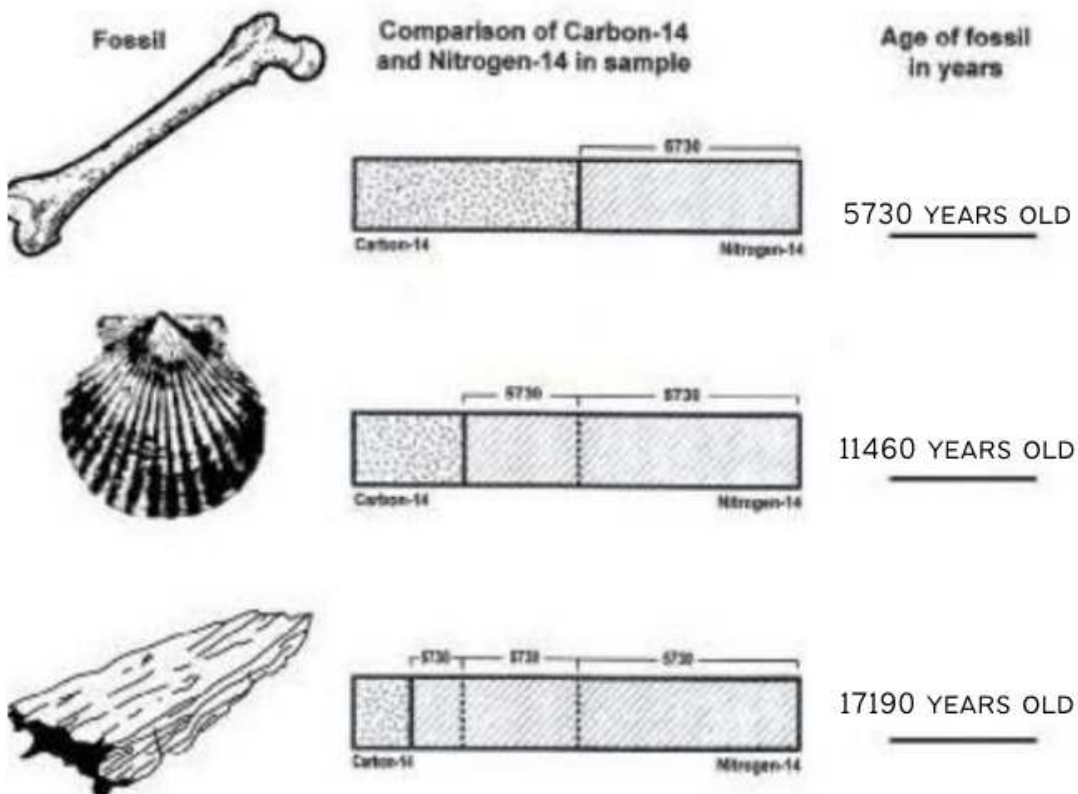
Section: 10-Hawking

## Activity 2: What's My Age?

**Objective:** Determine the age of the fossil

**Direction:** Use the information below to answer the age of fossils.

One-way scientists determine the age of fossils is by checking the amount of radioactive carbon-14 in the fossil. Carbon-14 breaks down or decays to form nitrogen-14; the rate of this decay is constant e.g. half of the remaining Carbon-14 breaks down every 5730 years. Use this information and compute the age of the fossils on the next page.



**Guide Questions:**

1. What is the oldest fossil?

The oldest one is the last item in the diagram which is an ancient wood at 17,190 years old.

2. Why is it important to know the age of the fossil?

It is very crucial to know the age of the fossil found as this will help bridge the gap from the missing knowledge in ancient history. This can be used for scientific, historical, theoretical, and geological purposes. We can determine why certain phenomenon from their era happens like explaining stone age, dinosaurs, and etc. This can also help in history as we can explain why and how a colony conquered another one by their fossils.