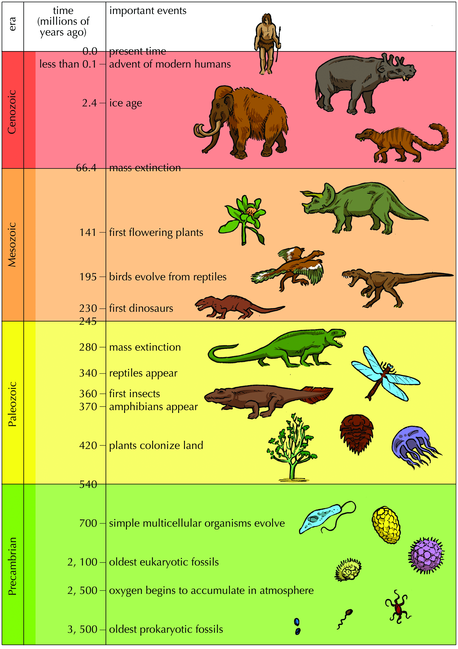
**Ch. 29 – Fossils**

* What is a **fossil**?
* What are scientists that study fossils?
* How are fossils formed?
* What are the different types of fossils?
* What **type** of rock are nearly all fossils found? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* What is **relative dating**? What does relative dating not tell us?
* What are some of the different principles of relative dating?
  + *Horizontality -*
  + *Superposition -*
  + *Cross-cutting Relationships -*
  + *Included Fragments -*
* What is **absolute** **dating**?
* How do we use radiometric/radioactive decay to determine the age of fossils?
* **Half-life** is the time required for half a given sample of a radioactive isotope to decay.

**Ch. 30 – Geologic Time Scale**

* What is the geologic time scale?
* What are the four major divisions of the time scale from largest to smallest?
  1. **Eon -**
  2. **Era -**
  3. **Period -**
  4. **Epochs -**
* What are the 4 major Eras? What are defining characteristics of each?
  1. Cenozoic -
  2. Mesozoic -
  3. Paleozoic -
  4. Precambrian -
* Which era above lasted the longest?
* What gases made up the early atmosphere of the earth? What gases make up the modern atmosphere?
* How old is the Earth?