History of the Earth Quiz (Bozeman ESS1C <https://www.youtube.com/watch?v=MXyktrZ_da0>)

1. Generally speaking the oldest sedimentary rocks are ….

a) Deposited most recently and found on the bottom layer

b) Deposited first and found on the bottom layer

c) Deposited most recently and found on the top layer

d) Deposited first and found on the top layer

2. Age of rocks can be determined by …

a) The radioactivity contained within them.

b) The type of fossils found within them.

c) Compare them to similar dated rocks in another area.

d) All of the above.

3. Its hard to get an exact age of the earth because of several natural Earth-changing processes. Name one.

4. The age of the earth is…

a) 6000 years old

b) Cannot be estimated because C14 dating is only accurate to about 50000 years ago.

c) 4.6 BYO

d) 4.6 Myo

5. Ancient atmospheres can be analyzed by studying….

a) Sedimentary rocks

b) Ice cores.

c) Tree rings

d) Fossils

6. Absolute dating refers to….

a) An exact age of a rock or fossil obtained by radiometric dating.

b) The age of a rock or fossil using C14 decay

c) An age of a rock or fossil as measured by the kind of rock that surrounds it.

d) The first time you kiss on a date ☺

7. What happened 3.9-3.5 BYA?

a) Life first appeared in the form of Archaea

b) Constant bombardment of the Earth from meteorites stopped.

c) Water first formed on Earth

d) Life first appeared in the form of Oxygen producing Cyanobacteria

8. The longest periods of time on earth are measured in …

a) Epochs

b) Eons

c) Eras

d) Periods

9. Endosymbiosis is a process that is thought to be responsible for ….

a) Parasitic bacteria.

b) Bacterial fossilization.

c) The evolution of life on the planet.

d) The evolution of the first Eukaryotic organism.

10. What was the name of the period that saw a rapid increase in many different forms of complex multicellular life forms?

a) Permian Triassic extinction event

b) Carboniferous

c) Cambrian Explosion

d) Jurassic Explosion

**1 B**

**2 D**

**3 Volcanism, Plate Tectonics, Erosion.**

**4 C**

**5 B**

**6 A**

**7 A**

**8 B**

**9 D**

**10 C**