

Name _____

Date _____ Core _____

Unit 2 Geology Project Graphic Organizer

Early Earth

- Approximate Age of Earth _____
- Explain in your own words what scientists refer to as the "Late Heavy Bombardment" time period. (When did it occur? What was happening? What was the importance of this time period?)

Insert text box here

- When did the first single-cell life occur on Earth? What was it?
- When did the first multicellular life on Earth occur?
- Explain in your own words what scientists refer to as the "Great Oxygenation Event" time period. (When did it occur? What was happening? What was the importance of this time period?...mention snowball earth...)

Insert text box here.

Fossils

- **Explain in detail how a fossil forms.**

Insert Text box here

- **Explain what scientists learn from studying fossils. (age, location, environment, depth)**

Insert Text box

The Rock Cycle

- **Draw a diagram of the rock cycle. Make sure to include the causes and the types of rocks formed.**

- Describe each phase in the formation of sedimentary rock.

1.

2.

3.

4.

- Using what you know about the rock cycle, explain how an igneous rock could change into a metamorphic rock over time?

Insert text box here

Relative Dating

- Describe what relative dating is.

Insert text box here

- Explain the 4 rules scientist use to determine the age of the rocks.

1.

2.

3.

4.