

## Unit 10 Review – Earth’s History

### Part I:

- Describe how the Geologic time scale is split up into divisions of time.
  - What are the four Eras (Times)?
  - What divides each Era from the other?
  - What are the periods in Era?
  - What major events occurred in Era (think back to the PowerPoint Notes)?
  - Know when major events occurred
    - Dinosaur extinction and possible reasons why
  - Know the above divisions of time from largest to smallest.
- What has happened to the complexity of life over time?
- How old is the Earth?
- What are 2 ways that we can tell how old a fossil is?
  - Describe the above two ways of telling the age fossils?
    - Explain Law of Superposition
    - What is radioactive decay?
    - What is half-life?
- What is an index fossil?
- How many index fossils can be in each layer of sediment to truly be an index fossil?

\*Look over your chart/flip-book. Know which periods contained certain major events, for example: first life Earth, Cambrian explosion, evolution of amphibians, reptiles and mammals, Pangaea’s formation, Pangaea’s break-up, Age of Dinosaurs, mass extinctions, etc.

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