

Go to: <https://tinyurl.com/hudtimescale>

Answer the following questions as you go through the WebQuest.

- 1) The Earth and the moon are approximately _____ years old. (page 2)
- 2) Earliest life on Earth appeared around _____ years ago. (page 2)
- 3) Early land plants arrived _____ years ago. (page 2)
- 4) The last dinosaur extinction took place _____ years ago. (page 2)
- 5) Why are timelines helpful when looking at geologic time? (pages 3-5) _____
- 6) The Law of Superposition states that the _____ rock layer is on the bottom and the _____ rock layer is on the top. (page 6)
- 7) Trilobites first appeared on Earth around _____ years ago. (page 7)
- 8) Does the Law of Superposition give us relative age or exact age of the fossils in the rock layer? Explain. (pages 7-8)

- 9) _____ is the process used by scientists to determine how old rocks are by analyzing their chemistry. (page 8)
- 10) How is the Geologic Time Scale broken up? (page 9) _____
- 11) True or False: There is evidence of life in the Pre-Archean time. (page 9)
- 12) The first organisms to evolve were _____. (page 9)
- 13) _____, _____, and _____ were abundant during the Mesozoic era. (page 9)
- 14) Mammals and birds became plentiful during the _____. (page 9)
- 15) During the _____, most of the major groups of animals first appeared in the fossil record. (page 9)
- 16) When did the first trees and forests appear? (page 9) _____
- 17) What allowed the ancestors of birds, mammals, and reptiles to reproduce on land?
- 18) During which period did Pangaea come together? (page 9) _____
- 19) When did the largest mass extinction in the history of life on Earth take place? (page 9) _____
- 20) Indicate your score on the final 5 questions: _____/5 (page 10)