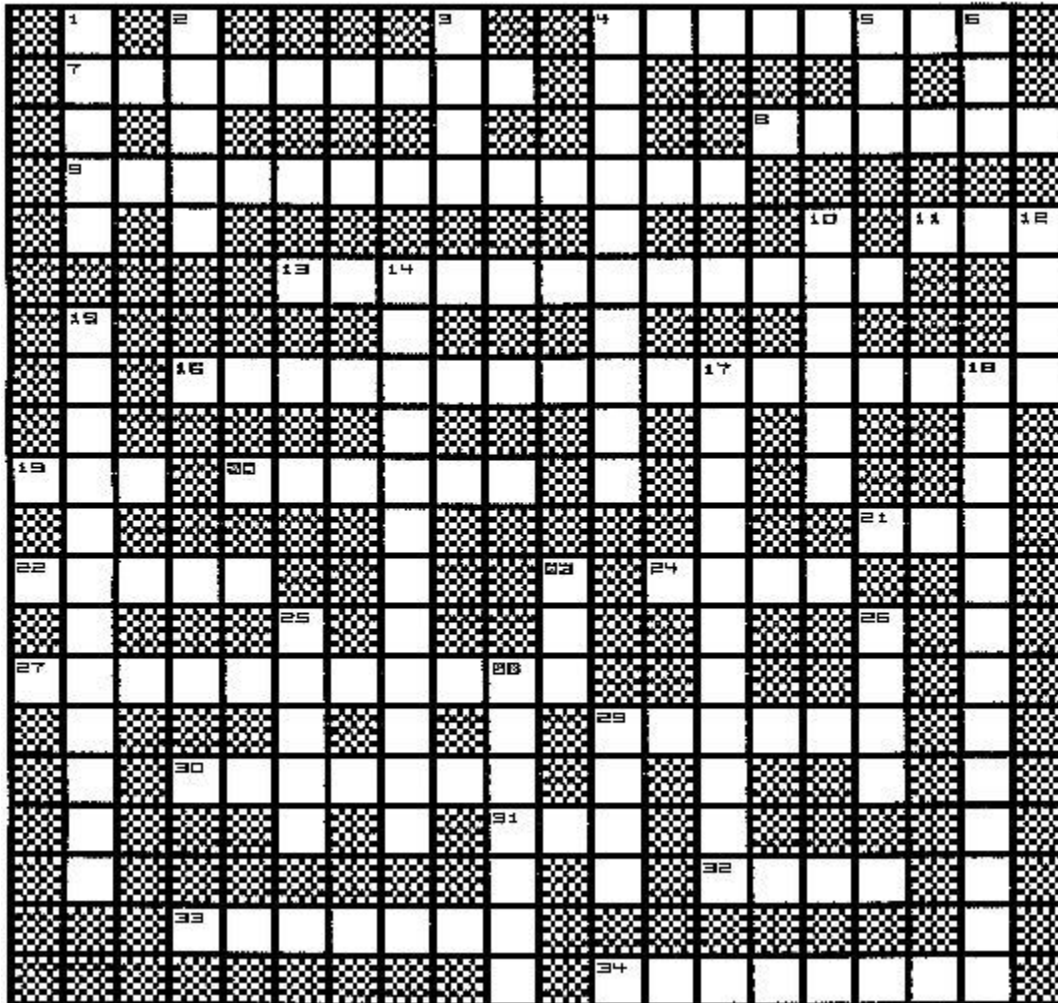


GEOLOGIC TIME.8

Name: _____

Due Date: _____

EAS-100-51: EARTH SCIENCE HOMEWORK No. 8



ACROSS CLUES

- 4. Time required for half of a given amount of parent radioisotope to decay into a daughter isotope.
- 7. The era of ancient life.
- 8. Common expression for past periods of prolonged continental glaciation.
- 9. Concept that explained Earth's geology as the work of short-term (often supernatural) events.
- 11. A creationist's estimate of the earth's age would be a relatively - - - number of years.
- 13. Evidence of a period of erosion, as seen in outcrops, of as a wavy line in a geologic events column.
- 16. Concept assuming that earth processes at work today had always operated during the earth's past, as well.
- 19. Due to a hostile environment on land during the geologic past, life probably originated at - - -.
- 20. The remains or traces of ancient life, generally dated at 10,000 or more years old.
- 21. Geochronologists specialize in determining this property in geologic materials.
- 22. A fossil particularly good for correlating outcrops between different areas.
- 24. The Pennsylvanian Period was known as the Age of - - - -.
- 27. To establish the equivalence of rocks of similar ages between different localities.
- 29. The determination of the absolute age of a rock or fossil is known as - - - - -.
- 30. A word used to describe a past or present species of life that no longer exists.
- 31. The Tertiary Period saw the development of a large species of saber-toothed - - -.
- 32. Ectothermic animals have a body temperature that reflects their environment; meaning they are - - - - blooded.
- 33. Old dinosaur movies used to end with a big earthquake and the explosion of a - - - - -.
- 34. The geological period during which hard skeletal parts first evolved, allowing preservation of fossils.

DOWN CLUES

- 1. The Tertiary and Quaternary Periods are subdivided into a shorter time unit called the - - - - -.
- 2. Due to metamorphism, fossils that would be found in a shale would not be found in a - - - - -.
- 3. From ancient Greek, the word for "*terrible*" as in "*terrible lizards*" (Mesozoic land reptiles).
- 4. Due to gravity, all sedimentary rocks were originally oriented in the - - - - - position.
- 5. A rare example of complete fossil preservation is the woolly mammoth found trapped inside - - -.
- 6. If you found the - - - of a dinosaur, it would be one of the most rare and valuable fossils.
- 10. Parallel layers of sedimentary rock.
- 12. Endothermic animals maintain a constant body temperature, and are known as - - - - blooded.
- 14. The principle of - - - - - relationships says "*the cutter is older than the cuttee.*" (2 words)
- 15. The study of ancient life.
- 17. A type of absolute age determination that compares parent and daughter isotopes.
- 18. The law of - - - - - says that the rocks on the bottom are older than the rocks on the top.
- 23. The largest unit of time on the geologic time scale.
- 25. Major extinctions of life have been caused by climatic changes due to global - - - - - movements.
- 26. The use of radiometric dating would produce a relatively - - - - number for the age of the earth.
- 28. A column of rocks in the field, exposed by erosion, representing a sequence of geologic events.
- 29. Scientific information, usually gathered by observation or experimentation.