**GRADE 8 SUBJECT – SCIENCE**

**Revision sheet: Geologic Time Scale**

Distance Learning: Term 3 2019-2020

1. **The second broadest category of geologic time is\_\_\_\_\_\_\_\_\_\_\_\_\_\_?**
2. era
3. eon
4. epoch
5. period

1. **The standard method used to divide the Earth's long history into manageable parts**



1. relative age
2. geologic time scale
3. fossil record
4. Permian extinction
5. **The period of geologic time when the biodiversity of life on the planet increased dramatically was**
6. Jurassic
7. Triassic
8. Permian
9. Cambrian
10. **The Cenozoic is a**
11. eon
12. era
13. period
14. epoch
15. **The Phanerozoic is a**
16. eon
17. era
18. period
19. epoch
20. **What happens when a group of animals become extinct?**
21. All of its members die.
22. Only a few of its members are still living.
23. The animals can no longer lay eggs.
24. All of its members move to another place.
25. **The geologic time scale divides the vast amount of earth history into various sections based on geological events.**
26. True
27. False
28. **An asteroid is a small irregular shaped rock that orbits the sun**
29. True
30. False
31. **The period of time where conditions were harsh and no life forms existed was the**
32. Phanerozoic
33. Cambrian
34. Hadean
35. Archean
36. **The period when trilobites and eurypterids appeared was the**



1. Devonian
2. Cambrian
3. Permian
4. Jurassic
5. **Which type of life dominates the Precambrian Time?**
6. Dinosaurs
7. Mammals
8. Bacteria
9. Humans
10. **There have been how many major extinction events on planet Earth?**
11. 3
12. 4
13. 5
14. 2
15. **Which of the following is the primary reason for using the geologic time scale?**
16. To measure how long North America has existed
17. To recognize major events that have occurred on Earth
18. To explain how Earth was formed 4.6 billion years ago
19. An explanation of how the dinosaurs disappeared
20. **An extinction affects animals and not plants species.**
21. True
22. False
23. **Identify which cause HAS NOT lead to a mass extinction globally?**
24. Global Volcanic Activity
25. Climate Change
26. Hunting/Poaching
27. Meteorite Collision
28. **An abnormally large amount of species die out simultaneously or within a short period of time.**
29. Extinction
30. Mass Extinction
31. Climate Change
32. Ice Age
33. **The time when the first jawed fishes and amphibians appeared**



1. Devonian
2. Cambrian
3. Permian
4. Jurassic
5. **What are the names of ALL parts of the geologic time scale in correct order from broadest to narrowest?**
6. era, period, eon
7. eon, era, period, epoch
8. era, eon, epoch, period
9. eon, era, epoch, period
10. **Which segment of geologic time scale is the smallest?**
11. Eon
12. Era
13. Period
14. Epoch
15. **The period when huge land plants were dominant and eventually became the coal and oil we use today.**



1. Cambrian
2. Carboniferous
3. Silurian
4. Ordovician
5. **Place the following eras in order starting with the OLDEST
1  Paleozoic
2  Cenozoic
3  Precambrian
4  Mesozoic**
6. 1 3 2 4
7. 3 1 4 2
8. 4 3 2 1
9. 2 3 1 4
10. **When did large land reptiles first appear?**



1. Cambrian
2. Permian
3. Silurian
4. Ordovician
5. **In the Cambrian Explosion**
6. an asteroid collided with Earth
7. mammals spread into every environment on Earth
8. a great number of different organisms evolved
9. a great number of different organisms extinct
10. **what is the Paleozoic era?**
11. Mesozoic **Era**
12. the era of Prophet Adam
13. the earliest of three geologic eras of the Phanerozoic Eon. It is the longest of the Phanerozoic eras.
14. Primitive fish and reptiles, land plants, and insects
15. **what is an inland sea?**
16. an entirely landlocked large body of salt or fresh water
17. just rocks.
18. its a land that has a small amount of water
19. an island that is in the middle of the sea
20. **what was the nickname of the middle Paleozoic?**
21. the age of special creatures
22. the age of invertebrates
23. the age of amphibians
24. the age of fishes



1. **what Is a coal swamp?**
2. A swamp that is all black and nasty looking
3. Is an oxygen-poor environment where, over time, plant material changes into coal.
4. A swamp filled with coal made out of devolved rocks.
5. The swamp where shrek lives
6. **Age of invertebrates**
7. early Paleozoic
8. middle Paleozoic
9. late Paleozoic
10. Precambrian
11. **Which type of animal appears earliest in the fossil record?  (OLDEST)**
12. Reptiles
13. Birds
14. Dinosaurs
15. Fish
16. **What is a supercontinent?**
17. A continent that split in 5 pieces along time ago
18. a continent where everyone is super cool
19. Is an ancient landmass that separated into a present day continent
20. It’s a continent that is super duper cool



1. **The single land mass that existed about 245 million years ago is named what?**
2. Rock land
3. Pangea
4. Continent
5. Tectonic plates
6. **Which period begins the Paleozoic Era?**
7. Silurian
8. Permian
9. Cambrian
10. Quaternary
11. **The age of amphibians is**
12. early Paleozoic
13. Middle Paleozoic
14. Late Paleozoic
15. **During this period, life was only on the ocean, and it was the age of animals that don't have a backbone**
16. Early Paleozoic
17. Middle Paleozoic
18. Late Paleozoic
19. **Animals with backbones are called invertebrates**
20. True
21. False
22. **Insects evolved during**
23. early Paleozoic
24. middle Paleozoic
25. Late Paleozoic



1. **Reptiles evolved during**
2. early Paleozoic
3. middle Paleozoic
4. Late Paleozoic
5. **The mostly deadly Mass Extinction (90% of species) occurs at the end of the...**
6. Paleozoic Era
7. Mesozoic Era
8. Cenozoic Era
9. Precambrian Time
10. **What Era are we currently in?**
11. Paleozoic
12. Mesozoic
13. Cenozoic
14. Triassic
15. **Paleozoic era lasted**
16. 291 million years
17. 251 million years
18. 350 million years
19. 542 million years

**BEST WISHES**

**THE END**