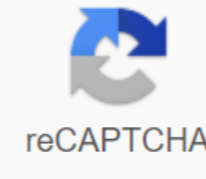




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## Earth science chapter 12 assessment answers

The correct answer to each question is marked as . To continue enjoying our site, we ask you to verify your identity as a human being. Thank you very much for your cooperation. Thank you for your participation! 1. Uniformism 1 answ 4. d. Radioactivity 1 answ 7. b. Angled non-conformance 1 answ 9. a. The original level 1 answ 11. d. 4.56 billion years 1 answ 12. The rate and size and range of occurrences changed 1 answ 13. Nesting law is mainly applied to sedimentary caners because it states that each layer is older than the layer above it and is younger than it is below it. 퇴적암은 주로 시간이 지남에 따라 놓인 퇴적물로 형성된 다음 바위로 되돌리게 된다. Ignorant and pervert 1 answ 14. Rocks that have been cut or damaged due to intrusion or defects are older. 1 answ 15. When deposition stops and/or surfaces erode, the rock records have gaps. 1 answ 16. Petrified fossils, fungi and cases, carbon films, preserved ruins, trace fossils 1 answ 17. The presence of hard parts and fast burial after death 1 answ 18. Some corals live in warm water today. Scientists can use the theory of uniformism to deduce that some fossil corals should have lived in warm seas too at 1 answ 19. The amount of time required for half of the nucleus of the sample decays to a stable isotope 1 answ 20. Radiological dating uses a known decay rate of some radioactive isotopes. 1 answ 21. Radioactive decay begins as soon as radioactive minerals are formed. If these minerals are deformed, they may lose their daughter's products. Dating this mineral can actually result in a younger date than the correct one. 1 answ page 2 Earth Science S.A. 360 22. Absolute or numerical dating provides an era of calculated figures unlike relative dating, which only offers the order of events. 1 answ 23. The decay rate of carbon-14 is very short. 1 answ 24. This kind of dating relies on a consistent kind of change over a long period of time. If the system is not closed, the date may introduce incorrect changes. 1 answ 25. The fossil consists of a broken shell. The debris would have rounded the edges from the rub against the other pieces that would have been caused by the crash waves. This constant friction rounds the edges. 1 answ 26. This is because the rate of decay on many isotopes is accurately measured and is no different under the physical conditions present in the outer layers of the earth. 1 answ 27. Error A is old because it does not reach the top layer. Defect B reaches the top, so it is formed after the last rock layer is deposited. 1 answ 28. B is older because it is deposited on additional sediment. 1 answ 29. The age of potassium-40 samples decayed to 12.5gm 2.6 billion years 1 answ 30. They are not fossils. In fossilization, organic matter is replaced by stone. They were well tanned by peat, but the bog body is still an organic substance. Carbon-14 dating is mostly bronze or iron, suitable for bodies just a few thousand years old. 1 answ 31. These have been known as Eons since the Jurassic era. Ashley Bat was a scientist who was recorded for this discovery. 1 answ 32. This fossil of organic matter is known as 5.6 million years old and forms the time of sediment deposited as additional sediment. 1 answ 33. It would take 27 billion years for uranium samples to be diced at 1/64th of the original amount. 1 answ 359 Page 361 361

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