

Earth Science Final Exam Study Guide

1. What is the basic SI unit for the following measurements?
 - a. Distance - meter
 - b. Mass - gram
 - c. Volume - liter
2. What is a naturally formed, inorganic solid that has a definite crystalline structure?
 - a. A mineral
3. What is the hardest mineral on the Mohs Scale?
 - a. diamond
4. Which type of rock is formed by volcanic activity?
 - a. Extrusive igneous on Earth's surface
5. What is clastic sedimentary rock?
 - a. Rock fragments are cemented together by a mineral
6. Which types of rock can become metamorphic rock?
 - a. Igneous, sedimentary, and metamorphic
7. In the rock cycle, how do metamorphic rocks become igneous and igneous rocks become metamorphic?
 - a. Melting and cooling
8. How are rocks classified?
 - a. By their mineral composition
9. What do we call rocks that have been changed by heat and pressure?
 - a. metamorphic
10. Which feature on the ocean floor provides evidence for the idea of continental drift and the theory of plate tectonics?
 - a. Mid-ocean ridge
11. What was the evidence that Wegener believed the continents have drifted?
 - a. Similar fossils found on far apart landmasses suggest that the continents were once a single landmass.
12. Why do Earth's tectonic plates move?
 - a. Convection currents in the mantle
13. At which type of plate boundary does sea-floor spreading happen?
 - a. divergent
14. How does the thickness and density of oceanic crust compare to continental crust?
 - a. Oceanic crust is thinner and more dense than continental crust
15. What type of plate boundary action forms folded mountains?
 - a. Continental-continental collision at convergent boundaries
16. What is the most powerful process that shapes the surface of Earth?
 - a. The flow of water
17. What happens when a volcanic eruption fills the atmosphere with ash?
 - a. The average global temperature will decrease
18. Which part of soil is made of organic material?
 - a. humus
19. What is a large underground pool of molten rock commonly found inside of a volcano?
 - a. Magma chamber
20. How does the amount of wind, rain and temperature variation impact weathering?
 - a. an area with high winds, significant rain, hot summers, and freezing winters will have the most weathering

Answers For Science Fianl Exam Study Guide

Edward J. Tarbuck



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