

Practice Questions for Exam 1 – GLG 110

1. Who is known as the father of modern geology?
2. What are the fundamental concepts of environmental geology?
3. What are the different “spheres” of the Earth? What do each sphere comprise?
4. What is the Gaia Hypothesis and who first proposed it?
5. What is some of the evidence for plate tectonics?
6. At what type of plate boundaries are volcanoes most likely to be found?
7. What is continental drift? Who proposed it?
8. What is silica? Why is it important in relation to minerals and rocks?
9. What are the characteristics of a mineral?
10. What are radioactive isotopes?
11. What are the different types of molecular bonding and how do they work?
12. Be able to recognize the various types of plate boundaries: divergent, convergent, and transform fault.
13. Be able to communicate the various processes and products of the rock cycle.
14. What is the difference between the focus and epicenter of an earthquake?
15. Be able to recognize the different types of faulting and the stress types that produce them.
16. How do P- and S- waves differ?
17. What are the different layers of the Earth’s interior and what are their characteristics?
18. What hazards are associated with earthquakes?
19. Where do earthquakes occur?
20. Why is the study of rocks and minerals important to environmental geology?