REVIEW Exam #2. GG101

Below are some example questions to help you prepare for Midterm #2. Answers are not provided, please attempt to come up with your own correct answers, which can be found in the lecture slides and textbook reading.


1) What are the three primary types of plate boundaries?
2) What is a hotspot?
3) What are sea floor stripes?
4) What are the three types of magma produced by volcanoes?
5) How does magma style influence the type of volcanic eruption?
6) What are the three primary types of mountain systems?
7) Draw seismic waves in Earth's interior and clearly label all components
8) Using the crustal cross-section in the following figure, list events from oldest to youngest.

9) Draw and describe the types of faults (normal, thrust, strike-slip).
10) What are the kinds of directed stress?
11) Define geologic ‘strain’.
12) What is the difference between a fracture and a fault?
13) Why do S waves travel through the solid layers of Earth but not the liquid layer.
14) What factors determine the level of earthquake destruction?
15) How are tsunamis generated?
16) What is the principle of superposition?
17) Define the stratigraphic principles.
18) Describe the difference between relative dating and absolute dating.
19) Which principle can define the organization of the crust based on fossil evidence?
20) After one half-life, a sample will contain twice the number of atoms that were originally present: true or false?