

Review Questions 2

I am not limited to using only these questions on the exam. If you only study the topics covered in these questions, you will not be prepared for the exam.

Explain the qualitative scale that describes the impact of an earthquake.

Explain all the factors that influence the intensity of an earthquake.

Compare and contrast the North Ridge and Kobe earthquakes. All factors.

Explain the Mercalli intensity scale.

Explain the behavior of body waves and how they are used to determine the location of the earthquake epicenter.

Explain the full meaning of the Japanese word “tsunami”.

Explain the concept of seismic gap.

Explain seismic refraction and reflection and how they are used to understand the interior of the earth.

Explain some of the notable tsunami events.

Explain the differences between tsunami and typical waves on the ocean.

Explain the disease associated with the inhalation of volcanic dust.

Explain why basalt is the most abundant type of rock in the crust.

Explain all the ways that tsunami form. Give case study examples for each.

Explain the volcanic and magmatic activity associated with each type of plate boundary.

Why are lava domes dangerous and how do they form?

What is igneous geology. Explain it in detail.

Explain all the different textures associated with volcanic rocks, and what these textures tell us about how the rock formed.

Explain the mechanisms for the production of magma, and explain how magma can change composition.