

Unit 8 Objectives

Competency Goal 2:

The learner will build an understanding of lithospheric materials, tectonic processes and the human and environmental impacts of natural and human-induced changes in the lithosphere.

Unit 8 Objectives:

- I can describe surface and body waves.
- I can define an earthquake.
- I can explain foreshocks and aftershocks.
- I can explain why earthquakes occur.
- I can locate the epicenter of an earthquake.
- I can explain the 3 scales used to measure earthquakes.
- I can describe the damage and danger that is caused by earthquakes.
- I can describe the 3 main types of volcanoes.
- I can explain what materials are ejected from each type of volcano.
- I can explain types of igneous plutons.
- I can explain volcanism at convergent plate boundaries.
- I can explain volcanism at divergent plate boundaries.
- I can explain volcanism at intraplate regions.

Unit 8 Essential Questions

1. What are P waves and what can they travel through?
2. What are S waves and what can they travel through?
3. What are surface waves?
4. What is the definition of an earthquake?
5. When does a foreshock occur?
6. What is the cause of earthquakes?
7. How is an earthquake epicenter located?
8. List the 3 scales used to measure earthquakes.
9. What are 3 types of damages that can occur from an earthquake?
10. What are the 3 main types of volcanoes? Describe them.
11. What is pyroclastic material?
12. How do plutons form?
13. What is formed at an ocean-ocean convergent plate boundary?
14. What is formed at an ocean-continental convergent plate boundary?
15. What is formed at a divergent plate boundary?
16. What are hot spots?