

Eprep-5 Earthquakes and Earth's Interior

Overview of the Chapter:

1. Before reading or looking at the chapter, write down what you know about Earthquakes and what causes "folds" to occur in rock beds - from prior experiences
2. Write down 3 questions of your own that you want to know about Earthquakes
3. Look through the chapter and find 5 figures that capture your interest and briefly describe your each figure.

Earthquake / Earth Interior Questions

1. Describe what an earthquake is - In other words, what causes the shaking motion one feels?
2. Describe the differences between the 3 major seismic waves released during an earthquake
3. What is the difference between a Tsunami and a Typhoon? Many people think they are one the same
4. Using the mechanics behind seismic waves, how are the waves used to Describe the earth's interior make-up?
5. Describe how the Mercalli scale and the Richter scale are used to measure the intensity of earthquakes.
6. Describe the difference between folds and faults.
7. Draw a diagram of the two major types of structural folds (anticline and syncline type folds).
8. Draw a diagram that shows a normal and reverse fault.
9. If you were a geologist out in the field, what evidence would show you that you were at a fault?

Define the following terms:

Epicenter

focus

stress

strain

Strain

seismology

seismograph

compression