

Name _____ Date _____ Period _____

Deforming the Earth's Crust

Complete the following while reading pages 181 -187 in the red science textbook.

What is stress?

Compression	Tension
Description	Description
Plate Boundary	Plate Boundary
Example(s)	Example(s)

Describe how folding is different than faulting?

What is the difference between a footwall and hanging wall?

Fault Name	Tectonic Boundary	Diagram

Describe the cause of folded mountains.

Explain the cause and effect of fault-block mountains.

Earthquakes

Complete the following while reading pages 196 – 201 in the red science textbook.

What is an earthquake?

Where do most earthquakes occur?

Explain the difference between plastic and elastic deformation.

How does elastic rebound create an earthquake?

Plate Motion (Boundary)	Prominent Fault Type	Earthquake Characteristics

Describe the characteristics of the fault type that creates the largest earthquakes

Describe the characteristics of seismic waves.

Type of Seismic Wave	Description of how it moves through rocks

How are P-waves different from S- waves?