

Section 12.2

Investigating Matter

Before You Read



1. Words to Know

Directions: Match the correct definition to the term on the left.
Scan pages 518 – 534 to find the definitions.

Words to Know	Definition
_____ asthenosphere	A. a partly molten layer in the upper mantle
_____ epicentre	B. a spreading centre occurring on land
_____ lithosphere	C. these, along with convection currents, keep the tectonic plates in motion
_____ mantle convection	D. a region where two tectonic plates are in contact
_____ plate boundary	E. an area where one tectonic plate pushes below another
_____ ridge push and slab pull	F. tectonic plates form this, which is composed of the crust and the uppermost mantle
_____ rift valley	G. A long chain of volcanoes that forms as a result of tectonic plate interactions
_____ subduction zone	H. the point on Earth's surface directly above the focus of an earthquake
_____ volcanic belt	I. continents are attached to tectonic plates. Currents in the asthenosphere move the tectonic plates above, and the continents move with them

2. Predicting the Main Ideas of Section 12.2

Directions: Scan pages 518 – 534 looking at the pictures and titles within this section. Predict five things you think you will learn in this section.

1. _____

2. _____

3. _____

4. _____

5. _____

