

Section 12.1

Investigating Matter

Before You Read



1. Words to Know

Directions: Match the correct definition to the term on the left.
Scan pages 506 – 513 to find the definitions.

Words to Know	Definition
___ continental drift theory	A. the extent of ancient glaciers, and also to the rock markings they have left behind
___ earthquake	B. the surface of Earth is broken into these large, movable slabs of rock
___ hot spot	C. Earth's magnetic field, over thousands of years, completely reverses its direction
___ magnetic reversal	D. the unifying theory of geology
___ paleoglaciacion	E. the premise that the continents have not always been in their present locations but have "drifted" there over millions of years
___ plate tectonic theory	F. openings in Earth's surface, that, when active, spew out gases, chunks of rock, and melted rock
___ spreading ridge	G. an area where molten rock rises to Earth's surface
___ tectonic plates	H. an area where magma cools and hardens when it breaks through Earth's surface on the ocean floor
___ volcanoes	I. a sudden, ground-shaking release of built-up energy at or under Earth's surface

2. Predicting the Main Ideas of Section 12.1

Directions: Scan pages 506 – 513 looking at the pictures and titles within this section. Predict four things you think you will learn in this section.

1. _____

2. _____

3. _____

4. _____

