Chapter 8 Earthquakes and Earth's Interior

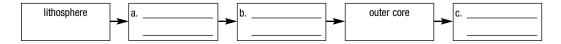
Section 8.4 Earth's Layered Structure

This section describes Earth's layers and their composition.

Reading Strategy

Sequencing After you read, complete the sequence of layers in Earth's interior. For more information on this Reading Strategy, see the **Reading and Study Skills** in the **Skills and Reference Handbook** at the end of your textbook.

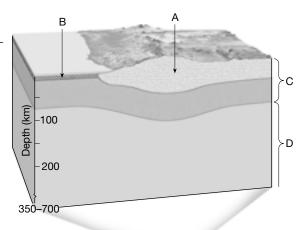
Earth's Internal Structure

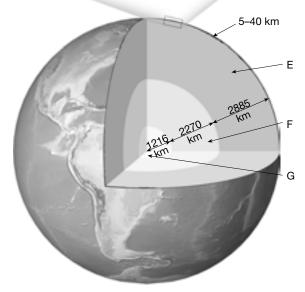


Layers Defined by Composition

1. • Use the figure of Earth's structure to write the letter(s) that represents each of the following layers.

mantle	
continental crust	
oceanic crust	_
core	





Name	Class _	Date	
Chapter 8	Earthquakes and Earth's Interior	r	
2. Use the letter inner coasthenos	Pefined by Physical Propose figure of Earth's structure on the that represents each of the followeresphere	he previous page to write	
lithosph	ere		
Des 3.	lescription with its Earth layer. cription soft, weak rock with ome melting liquid iron-nickel alloy that enerates Earth's magnetic field cool, rigid crust and ppermost mantle solid iron-nickel alloy	Earth Layer a. asthenosphere b. inner core c. outer core d. lithosphere	
	ring Earth's Layers adary called the mantle.	separates the crust	
8. Is the following sentence true or false? Geologists concluded that the outer core was liquid because P waves could not travel through it			
9. Why do P waves bend when they travel into the outer core from the mantle?			
Discover	ring Earth's Composition	1	
	composition with its Earth layer.		
10. © 11. © 12. ©	 basaltic rock granitic rock similar to stony meteorites similar to metallic meteorites 	Earth Layer a. continental crust b. oceanic crust c. core d. mantle	
14. that collide with Earth provide evidence of Earth's inner composition.			

15. Is the following sentence true or false? Until the late 1960s,

the composition of oceanic crust. _

scientists had only seismic evidence they could use to determine