Name _____ Date _____

Chapter 9 Plate Tectonics

Section 9.1 Continental Drift

This section explains the hypothesis of continental drift and the evidence supporting it.

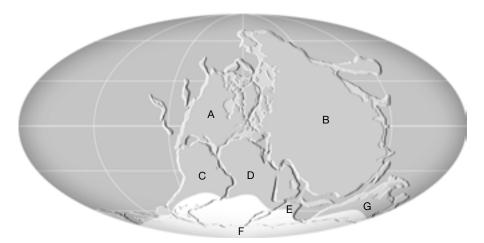
Reading Strategy

Summarizing Fill in the table as you read to summarize the evidence of continental drift. 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.

Hypothesis	Evidence	
Continental Drift	a. continental puzzle	
	b.	
	C.	
	d.	

An Idea Before Its Time

1. The figure shows Earth's ancient supercontinent as it appeared about 300 million years ago, according to Alfred Wegener. Write the letter that represents each of the following present-day continents.



- _____ Antarctica
- ____ Europe and Asia
- _____ South America
- _____ India
- _____ North America
- _____ Africa
- ____ Australia
- 2. Wegener called Earth's ancient supercontinent shown in the figure

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Match each example of continental drift with the type of evidence it is.

			•			
	E	xample	Evidence for Continental Drift			
	3.	Similar mountain chains run through eastern North America and the British Isles.	a. rock types and structures b. matching fossils			
	4.	Land areas that show evidence of ancient glaciation are now located near the equator.	c. continental puzzle d. ancient climates			
	5.	The Atlantic coastlines of South America and Africa fit together.				
	6.	Remains of <i>Mesosaurus</i> are limited to eastern South America and southern Africa.	d			
7.		evidence for cont al fossil organisms found on different l				
8.	Panga shoul	following sentence true or false? If the nea, the rocks found in a particular reg d closely match in age and type those adjoining continent.	ion on one continent			
Re	ejecti	ng a Hypothesis				
9.		the letter of an example of one objecti Wegener's continental drift hypothesi				
		egener could not provide any evidencentinental drift.	e to support			
	 Wegener could not propose a mechanism capable of moving the continents. 					
		egener's idea of the mechanism capab entinents was physically impossible.	le of moving the			
	d. W	egener's fossil evidence was not accur	rate.			
10.	Is the following sentence true or false? Most scientists in Wegener's time supported his continental drift hypothesis.					
11.	I. Is the following sentence true or false? Wegener proposed that during continental drift, larger continents broke through the oceanic crust					
12.	. By 1968, data collected about the ocean floor, earthquake activity, and the magnetic field led to a new theory called					
13.	The n	ew theory that replaced Wegener's hy	pothesis explained			

most geologic processes, including the formation of