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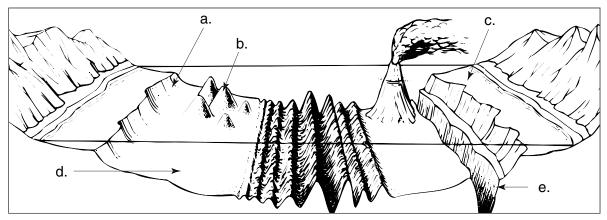
Name	Date	Class
Ocean Zones • Guided Reading	and Study	
Exploring the Ocean		
This section describes how the ocean has section also describes features of the ocean		
Use Target Reading Skills		
On the lines provided, write a definition		
sonar		
continental shelf		
abyssal plain		
mid-ocean ridge		
trench		
plate		
seafloor spreading		
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Naı	me Date Class
Oce	ean Zones • Guided Reading and Study
Ex	ploring the Ocean (continued)
Lea	arning About the Ocean
1.	Circle the letter of the sentence that is true about the Phoenicians. a. They were one of the earliest cultures to explore the oceans. b. They sailed to Hawaii. c. They established sea routes for trade by 2000 B.C. d. They lived on islands in the Indian Ocean.
2.	Is the following sentence true or false? Captain Cook's voyages of exploration marked the beginning of the modern science of oceanography
3.	Why has the deep ocean floor been explored only recently?
4.	Is the following sentence true or false? To study the deep ocean floor, scientists have relied on direct methods of gathering information.
5.	Circle the letter of each sentence that is true about sonar. a. It measures distance. b. It uses sound waves. c. It is an indirect way of gathering data. d. It uses X rays.
Fea	atures of the Ocean Floor
6.	Circle the letter of each sentence that is true about the ocean floor.

- - **a.** It is flat and sandy.
 - **b.** It is rocky and uneven.
 - **c.** It has the biggest mountains on Earth.
 - **d.** It has deep canyons.

Ocean Zones • Guided Reading and Study

7. Find and label each of the following ocean floor features in the drawing: continental shelf, continental slope, seamount, abyssal plain, and trench.



Match each feature of the ocean floor with its description.

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- 8. continental shelf
- ____ 9. continental slope
- 10. seamount
- ____ 11. abyssal plain
- ____ **12.** mid-ocean ridge
- 13. trench

Description

- a. Smooth and nearly flat region of the ocean floor
- **b.** Mountain on the ocean floor that is completely under water
- c. Continuous range of mountains on the ocean floor
- d. Incline at the edge of the continental shelf
- e. Steep-sided canyon in the ocean floor
- **f.** Shallow area of the ocean floor extending outward from land
- **14.** Circle the letter of each sentence that is true about the mid-ocean ridge.
 - **a.** It passes through all of Earth's oceans.
 - **b.** It is about 800 kilometers long.
 - c. It is the longest mountain range on Earth.
 - **d.** It is divided by a central valley.

Movements of the Ocean Floor

- **15.** The hot liquid material inside Earth is called _______. If this material reaches the surface, it is called _______.
- **16.** Pieces of Earth's crust, along with parts of the upper mantle, are called
- **17.** Circle the letter of each sentence that is true about Earth's plates.
 - **a.** They move on the liquid of the mantle.
 - **b.** They lie beneath the continents but not the oceans.
 - **c.** They move several kilometers per year.
 - d. Their movements create Earth's landforms.

Nar	ne	Date	Class
Oce	ean Zones •	Guided Reading and Study	
Ex	ploring th	e Ocean (continued)	
18.	Describe seaf	floor spreading.	
19.	Why doesn't ocean ridge?	Earth increase in size as the seafloor s	preads along the mid-