Skills W	orksheet
Dire	cted Reading A
ection	n: The Theory of Plate Tectonics (pp. 198–203)
	letter of the correct answer in the space provided.
	 What is the name of the theory that Earth's lithosphere is divided into tectonic plates? a. plate theory b. tectonic theory c. plate tectonics d. convergent theory
ECTONI	C PLATES
	 What are large pieces of the lithosphere that move around on top of the asthenosphere called? a. mantle pieces b. crust plates c. tectonic plates d. puzzle pieces
Tectoni	c Plate Close-Up
3	 a. like a layer cake b. like a jigsaw puzzle c. like a stack of books d. like a model car
	 Which of the following is the thickest part of the South American plate? a. the part underneath the continental crust b. the oceanic crust c. the mantle d. the mid-Atlantic Ocean
ike Ice (Cubes in a Bowl of Punch
	 a. Tectonic plates move around and touch each other. b. Tectonic plates melt and become liquid. c. Tectonic plates sink and disappear from the surface. d. Tectonic plates freeze and become harder.

__ Class____ Date __

Name _

Directed Reading A continued	an แบบกลหลังคำรงที่
TECTONIC PLATE BOUNDARIES	
6. What is a place where tectonic plates touch ca	alled?
a. a separation	
b. a collision	
c. a division	
d. a boundary	
Convergent Boundaries	
7. What is it called when the denser of two tectors	onic plates sinks beneath
the less dense plate after they collide?	
a. abduction	
b. subduction	
c. deduction	
d. collision	
8. What is a series of volcanic islands called?	
a. island arc	
b. island arch	
c. volcanic arc	
d. volcanic ash	
Divergent Boundaries	
9. Where do most divergent boundaries happen?	y na elis a meral elas camb
a. in Iceland	
b. in East Africa	
c. on land	
d. on the sea floor	
Transform Boundaries	
10. The San Andreas fault system in California is	a well-known example of
what kind of boundary?	
a. convergent boundary	
b. divergent boundary	
c. transform boundary	
d. convergent and transform boundaries	

Directed Reading A continued	
11 Who waig the Can Andreas foult graterales	oto d9
11. Where is the San Andreas fault system local where the Pacific and the North American where the Pacific and the North American system.	
each other	can plates are shung past
b. where the Atlantic and the North Amer	ican nlates are sliding nast
each other	ican places are shunig past
c. where the Pacific and the South Americ	can plates are sliding past
each other	proces are strains past
d. where the Atlantic and the South Amer	ican plates are sliding past
each other	
	q
Natch the correct description with the correct term. W	trite the letter in the space
rovided.	mile the letter in the space
12. boundary at which two tectonic plates	a. transform boundary
collide	b. convergent boundary
13. boundary at which two tectonic plates	c. divergent boundary
separate	
Separate	
14. boundary at which two tectonic plates	
slide past one another horizontally	
AUSES OF TECTONIC PLATE MOTION	
	vided.
Vrite the letter of the correct answer in the space pro	
Write the letter of the correct answer in the space pro 15. What causes the motion of tectonic plates	
Write the letter of the correct answer in the space pro15. What causes the motion of tectonic platesa. differences in density	
15. What causes the motion of tectonic platesa. differences in densityb. changes in atmosphere	
 15. What causes the motion of tectonic plates a. differences in density b. changes in atmosphere c. changes in Earth's core d. changes in the oceans 	
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Directed Reading A continued	
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Match the correct description with the correct term. Write provided.	the letter in the space
18. The edge of a tectonic plate sinks and pulls the rest of the plate with it.	a. ridge pushb. convection
19. Gravity makes the tectonic plate slide downhill.	c. slab pull
20. Heating and cooling of rocks make a tectonic plate move sideways.	
TRACKING TECTONIC PLATE MOTION	
Write the letter of the correct answer in the space provide	d.
 21. How is the movement of tectonic plates measure. a. in kilometers per year b. in meters per year c. in centimeters per year d. in centimeters per day 22. What do scientists use to measure tectonic plates continents? a. clinometers 	
b. global positioning system (GPS)c. telescopesd. seismometers	
 23. What do scientists use to measure the rate of plates? a. sea-floor spreading b. global positioning system (GPS) c. seismometers d. magnetic reversal 	movement of oceanic