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Skills Worksheet

## **Directed Reading B**

## **Section: Earth's Changing Continents** (pp. 270–275) **PLATE TECTONICS**

- \_\_\_\_\_ **1.** The theory that explains how Earth's tectonic plates move and change shape is called
  - **a.** continental drift.
- **c.** plate theory.

**b.** tectonic drift.

- **d.** plate tectonics.
- **2.** The thin, cool "skin" of Earth is called the \_\_\_\_\_\_.
- **3.** Tectonic plates rest on a thick layer of slowly moving, solid rock called

the \_\_\_\_\_.

- **4.** How fast do tectonic plates move?
- **5.** Why can tectonic plates move thousands of miles?

## Match the correct description with the correct term. Write the letter in the space provided

- \_\_\_\_\_ **6.** where two or more tectonic plates collide, separate, or grind past each other
- **a.** divergent boundary
- \_\_\_\_\_ **7.** where tectonic plates move toward each other
- **b.** transform boundary
- **8.** formed where plates of continental lithosphere are forced together, then crumple
- **c.** mountain belt
- **9.** formed where dense oceanic lithosphere sinks under continental lithosphere
- **d.** earthquake
- under continental lithosphere
- **e.** convergent boundary
- \_\_\_\_\_10. where tectonic plates move apart
- **f.** rift
- \_\_\_\_ **11.** formed when plates move apart; can widen for millions of years to form a new ocean
- g. plate boundary
- \_\_\_\_\_ **12.** where tectonic plates slide past each other horizontally
- **h.** line of volcanoes
- \_\_\_\_\_ **13.** caused by the horizontal movement of plates in areas like the San Andreas fault

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CONTINENTAL DRIFT		
	cations because of	ass, broke up, and drifted
<b>15.</b> As a continent mo	ves across Earth's surfac	e,
<ul><li>a. it carries ocean</li><li>b. it carries rocks</li><li>c. rocks and fossi</li><li>d. it carries lithos</li></ul>	and fossils with it. ls fall off it.	
<b>16.</b> What evidence from rock part of a single landmass years ago?	,	•
17. How does finding Mesosa Africa show that the cont		
HISTORY OF CONTINENTAL	DRIFT	
<b>18.</b> About 245 million supercontinent ca <b>a.</b> Pandora. <b>b.</b> Godwanaland. <b>c.</b> Eurasia. <b>d.</b> Pangaea.	years ago, all of Earth's c lled	continents made up a
<ul><li>a. split into severa</li><li>b. joined with and</li><li>c. was destroyed</li></ul>	other supercontinent.	

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separated, <b>a.</b> a super <b>b.</b> tectonic <b>c.</b> new co	gaea's new plates drifted apar cocean formed between them. c plates stopped moving betwe ntinents formed between them ocean formed between them.	een them.
<b>21.</b> What happened to drifted apart?	o rocks and fossils as the tecto	onic plates separated and
<b>22.</b> If continents move happened to their	ved toward the equator becaus r climates?	e of continental drift, what
<b>23.</b> How did continer around the planet	ntal drift affect temperature an t?	nd precipitation patterns
<b>24.</b> How did Antarcti	ca become the icy land we see	e today?
<b>25.</b> How does the the on different conti		n why different organisms live
<b>26.</b> How does the the oceans formed?	eory of continental drift explain	n changes to sea life when new

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<b>27.</b> How does the theory of organisms are found on o		xplain why fossils of the same ts?
CASE STUDY: THE PANAMA		
<b>28.</b> About 3 million y South America fo		rrow strip of land joined North and
<b>a.</b> the Panama Ca <b>b.</b> the Island of P		<ul><li>c. the Pangaea Land Bridge</li><li>d. the Panama Land Bridge</li></ul>
<b>29.</b> What are two types of ar South America to North		d the Panama Land Bridge from
70. What are two types of ar	simple that avegage	d the Panama Land Bridge from
North America to South		T the Tanama Dand Dridge Hom
<b>31.</b> What happened to some that became separated b		ams, snails, corals, and sea urchins d Bridge?
<b>32.</b> How was the Gulf Stream	n formed?	
77 How was the climate of	Western Funers of	ffeeted by the Culf Streem?
<b>33.</b> How was the climate of	western Europe a	nected by the Guil Shealit: