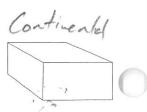
Plate Tectonics Practice Test

The following questions refer to the diagram on the right.	Earth's Layers
 Which layer has convection currents that cause the Earth's plates to move? A B C D E 	Earth's Layers B Wantle
2. Which layer is the upper mantle? A B C D E	
3. Which layer is the lithosphere? A B C D E	Lower Manth
4. Which layer is most dense? A B C D E	mantle D
5. Which layer contains mostly liquid iron? A B D E	onter
Why is the inside of the Earth hot? Provide two reasosn. Radioactive Rocks Friction from dense material dense material flowing below the Earth's sur Sketch the plate and mantle movements and then answer the questions.	th's surface. The gap between each plate rface cannot pass beneath the bottom line.
9. In which direction is the plate moving at position 9?	
Hotter Cooler	10 Hotter
11	TIOLOI

The diagram on the right shows chunks of two types of crust. 13. One represents continental crust, and the other represents ocean crust. Label them correctly.



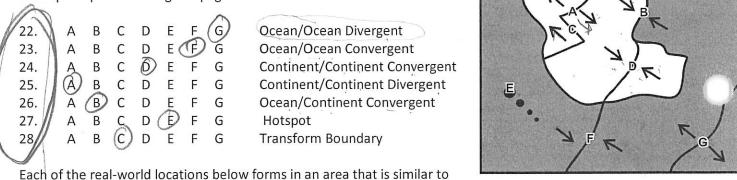


Match each description to the appropriate type of crust. Choices:

A= Continental Crust B = Ocean Crust

C	ou!	OC .	
14	A	B	Darker in color/shade
15.	A	B	Seafloor sediment contains a lot of this type of material.
16.	Α	(B)	Melts to become low viscosity (runny) lava.
17	Α	B	Lava of this type does not pile up. It forms low, rounded volcanoes.
18.	A_	(B)	An example of this rock type is called basalt.
19.	(A)	В	The most explosive volcanoes have some of this type of lava.
20.	A	В	This type of lava can pile up to form steep volcanoes.
21.	A	В	This is the least dense type of crust.

Match each feature name to the corresponding feature on the plate map on the right. You can also refer to the incomplete plate drawings on page 3.



one of the lettered locations on the map. Match each real-world location to its corresponding map location.

	29.	Α	В	С	D	Æ)) F	G		Hawaii
	30.	A	В	C	D	E	F	G		East Africa
1	31.	Α	В	C	D	Ε	E	G	(Japan .
1	32.	Α	В	C	D	Ε	F	(G)		Mid-Atlantic Ridge
	33.	Α	B _~	С	(1)	Ε	F	G	No. of Concession,	Himalayas (Mt. Everest)
	34.	Α	B) c	D	Ε	F	G		Andes Mountains (South America)
	35.	Α	В	(c)	D	Ε	F	G		San Andreas Fault, California
	1								-	the first way in a construction of the proof

M-Ocean crust []-Continental Crust

ESS	1	0	0	
LJJ	_	v	v	

Name

Quiz 3 Practice: Plate Tectonics

Place a check (or an X) next to each of the true statements for each type of plate boundary (or hotspot)

1.	Which statements are true about a Continent/Continent Convergent Plate Boundary?
a. b. c. d. e. f. g. h. i. j.	Relatively gentle eruptions may occur. Very violent eruptions may occur. Rounded, shield volcanoes exist here. Steep composite cone volcanoes exist here. Situated over a hotter part of the mantle Shallow-focus earthquakes may occur. New ocean crust is being created here. There is an ocean trench. There are tall mountains but no volcanoes. There is a subduction zone.
2. a. b. c. d. e. f. g. h. i. j.	Which statements are true about an Ocean Hotspot? Relatively gentle eruptions may occur. Very violent eruptions may occur. Rounded, shield volcanoes exist here. Steep composite cone volcanoes exist here. Situated over a hotter part of the mantle Shallow-focus earthquakes may occur. Deep-focus earthquakes may occur. There is an ocean trench. There are tall mountains but no volcanoes. There is a subduction zone. Hotspot
3. a. b. c. d. e. f. g. h. i. j. k.	Which statements are true about an Ocean/Ocean Convergent Plate Boundary? Relatively gentle eruptions may occur. Very violent eruptions may occur. Rounded, shield volcanoes exist here. Steep composite cone volcanoes exist here. Situated over a hotter part of the mantle Shallow-focus earthquakes may occur. Deep-focus earthquakes may occur. New ocean crust is being created here. There is an ocean trench. There are tall mountains but no volcanoes. There is a subduction zone.

4.	Which statements are true about a Continent/Continent Divergent Plate Boundary?
a. b. c. d. e. f. g. h.	Relatively gentle eruptions may occur. Situated over a hotter part of the mantle Shallow-focus earthquakes may occur. Deep-focus earthquakes may occur. New ocean crust is being created here. There is an ocean trench. There are tall mountains but no volcanoes. There is a subduction zone.
5.	Which statements are true about a Continent/Ocean Convergent Plate Boundary?
a. b. c. d. e. f. g. h. i. j. k.	Relatively gentle eruptions may occur. Very violent eruptions may occur. Rounded, shield volcanoes exist here. Steep composite cone volcanoes exist here. Situated over a hotter part of the mantle Shallow-focus earthquakes may occur. Deep-focus earthquakes may occur. New ocean crust is being created here. There is an ocean trench. There are tall mountains but no volcanoes. There is a subduction zone.
6.	Which statements are true about a Transform Plate Boundary? —— San Andreas
a. b. c. d. e. f. g. h. i.	Rounded, shield volcanoes exist here. Steep composite cone volcanoes exist here. Situated over a hotter part of the mantle Shallow-focus earthquakes may occur. Deep-focus earthquakes may occur. New ocean crust is being created here. There is an ocean trench. There are tall mountains but no volcanoes. There is a subduction zone.
7.	Which statements are true about an Ocean/Ocean Divergent Plate Boundary?
a. b. c. d. e. f. g. h. i.	Relatively gentle eruptions may occur. Very violent eruptions may occur. Rounded, shield volcanoes exist here. Steep composite cone volcanoes exist here. Situated over a hotter part of the mantle Shallow-focus earthquakes may occur. Deep-focus earthquakes may occur. New ocean crust is being created here. There is an ocean trench. There are tall mountains but no volcanoes.
k.	There is a subduction zone.