Uni	t 4 Review	Name:		Unit 4 Review	Name:
1.	List the layers of the Earth and their characteristics		1.	List the layers of the Earth and their characteristics	
2.	Which crust is the densest? (oceanic or continental)		2.	Which crust is the densest? (oceanic or continental)	
3.	Why is the Inner Core solid?		3.	Why is the Inner Core solid?	
4.	What is the cause behind out magnetic field?		4.	What is the cause behind out magnetic field?	
5.	The core of the Earth is com	posed of what elements?	5.	The core of the Earth is composed of what elements?	
6.	What is the boundary between	een the Crust and Mantle?	6.	What is the boundary between	the Crust and Mantle?
7.	Temperature and pressure as		7.	Temperature and pressure	as
	you go further into the Eart	h.		you go further into the Earth.	
8.	Who was the scientist that	came up with the idea of	8.	Who was the scientist that car	ne up with the idea of
	Continental Drift?			Continental Drift?	
9.	What was his evidence that	he used?	9.	What was his evidence that he	used?
10.	Define the Theory of Plate 1	ectonics	10.	Define the Theory of Plate Tec	tonics
11.	What was the name of the I	ast supercontinent?	11.	What was the name of the last	supercontinent?
12.	What causes the shifting of	the plates?		What causes the shifting of the	•
13.	How many major plates is t	he Earth divided into?	13.	How many major plates is the	Earth divided into?
14.	How does magnetism help	prove sea floor spreading?	14.	How does magnetism help pro	ve sea floor spreading?
15.	What are the NC Mountains	s called? When did they form?	15.	What are the NC Mountains ca	alled? When did they form?
	Which region of NC do you			Which region of NC do you live	
17.	What is the landscape like in	n this region?	17.	What is the landscape like in the	nis region?
	What is the fall zone?			What is the fall zone?	
19.	What are the coastal plains	? What created them?	19.	What are the coastal plains? V	/hat created them?
	=	rred in the past 500 m years?	20.	What major NC events occurre	ed in the past 500 m years?
21.	What three types of tectoni	c plate boundaries exist?	21.	What three types of tectonic p	late boundaries exist?
22.	What features are found at	a convergent boundary?	22.	What features are found at a d	convergent boundary?
	Divergent boundary? Transf			Divergent boundary? Transfor	m boundary?
	What is ridge-push? Slab-pu			What is ridge-push? Slab-pull?	
	What drives the movement	· · · · · · · · · · · · · · · · · · ·		What drives the movement of	
	Where is crust created? Des	-		Where is crust created? Destro	•
	What are the three types of			What are the three types of st	
	What are the three ways th	· · · · · · · · · · · · · · · · · · ·		What are the three ways the c	
	What is a fold? Fracture? Fa	ult?		What is a fold? Fracture? Fault	:?
	Draw Anticline/Syncline.			Draw Anticline/Syncline.	
30.	What are your different typ causes each?	es of faults? Which stress	30.	What are your different types causes each?	of faults? Which stress
31.	Which stress and fault is for	and along the San Andreas?	31.	Which stress and fault is found	l along the San Andreas?
32.	Where are the three types of	of volcanoes?	32.	Where are the three types of v	olcanoes?
33.	Which type of lava is associa	ated with explosive	33.	Which type of lava is associate	d with explosive
	volcanoes?			volcanoes?	
34.	What are three types of eru	ptions?	34.	What are three types of eruption	ons?
		_			_

- 35. What are three types of volcanoes?
- 36. What type of Volcano is associated with erupting once?
- 37. Which type of volcano tends to be most violent?
- 38. Define Pyroclastic Material and lahar flows
- 39. What does the Richter scale measure?
- 40. How much stronger is an 8.0 than a 7.0?
- 41. What is a p-wave? S-wave? L-wave?
- 42. Which Earthquake waves are the slowest? Fastest?
- 43. How do you locate an Earthquake?
- 44. Where in the world are most earthquakes located?
- 45. Describe the Elastic Rebound Theory.
- 46. What instrument records and detects earthquakes?
- 47. Define epicenter and focus.
- 48. What are the 5 types of mountains? How is each formed? Give one example of each.

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