Name:Na	 itional Geographic C		1100:	_ #:
1. The seven continents we have too		_		
2. Scientists expect, based on the pa collide with one another.				
3. Colliding are the	mightiest force on ea	rth.		
4. One theory is that the moon was f	formed when Earth c	ollided with the	Theia.	
5. Earth is a massive, molten ball of I bombard our world.	boiling	, where thousands	s of	and comets
6. The heaviest elements, form the	and	, sink down to	ward the cente	er of the Earth to
7. The lighter elements, including they erupt in volcanoes of molten ro		ris	se towards the	surface where
8. Most scientists believe that water the oceans that surrounded the first		and	r	nay have formed
9. A type of rock appears on the eart buoyant enough not to sink into the			future continer	nts; a rock
10. Some people believe the ancient	remains of the first t	true continent can b	e found in Sout	th?
11. Dating rocks is a complex proces re-form into new rocks.	s, because over long	periods of time, the	car	n break down and
12. Scientists look for an ingredient of	of rock that is tough (	enough to stand the	test of time. Tl	ne answer is
it incorporates	uranium and exclude	s lead.		
13. As radioactive uranium in the zir	con decays it turns in	ito		
14. Granite forms when minerals in	the crust melt, then r	eact with	, cool and cr	ystallize.
15. Why is granite less dense than of	ther rock in Earth's m	nantle?		
16. The giant jig saw of interlocking	pieces that make up I	Earth's crust are call	ed what?	
17. These "float" or "sit" on what lay	yer of Earth?			
18. Evidence for the theory of continuous Wegener. He noticed	•	•		
19. When he first proposed his theor	ry of continental drift	t, why did the scienti	ific community	reject his ideas?
20. Heat escaping from the core crea	ates	in	the next layer	of the Earth, the
21. Today, the majority of this new r	ock forms under the	·		

22. In Iceland, Einarsson's measurements show tha per year.	at the two continents are drifting	apart by around
23. How many tectonic plates can be identified on	Earth today?	
24. Because the earth has a constant surface area, into the earth.	the same amount of land created	d must be
25. This process happens at	nctions of plates, where	
the crust dives down into the mantle.		
26. The world's last supercontinent is known as	·	
27. Because much of the land is located far from theto it gets very		
28. South America drifts away from and drifted no		; Australia
29. When continental crust collides with continent occurs, what begins to form?	al crust at convergent plate bour	daries and no subduction
30. The formation of the Alps is the direct result of and		tinents?
31. The Himalayas form as the plan moves at per year.	te charges northward toward the	eplate. It
32. The Grand Canyon is located in what state?		
33. At its deepest, it stretches down for over	·	
34. He finds some of the most interesting evidence	at the very top: fossils of	creatures.
35. Grand Canyon formed at the collision of which	two plates?	and
36. The formation of the isthmus of America stopped the flow of water between the Pa		g North and South
37. There are two super-continents today:	and	
38. The global continental cycle causes many		
39. Plate movement creates stress points, which le	ad to	·
40. As continents split apart, instability at plate jun	ctions causes	<del>.</del>
41. When plates subduct into the earth, their death	h throes produce devastating	(tsunamis).
42. Map the location of earthquakes and volcanoes the plates.	s, and they line up with the	between
43. The supercontinent scientist expect to form bill the final Pangea.	lions of years from now is called	Pangea