

Benchmark Exam :Study Guide		Name _____
Earth's Interior, Plate Tectonics,		Date _____
Earthquakes & Volcanoes		Period _____
<p>Directions: Use activities in IAN to look up answers to all questions. Provide clear and accurate details that explain what, how and why. Remember that questions are on the left and your answers are written in the notes space on the right. Be sure to provide a page number for where you found information in science notebook.</p>		
Questions & p. #'s	Notes	
A. Earth's Interior		
1) What are the layers of the Earth from thinnest to thickest?		
2) Provide at least three facts about the composition and density of each of the Earth's layers.	crust lithosphere asthenosphere mantle outer core inner core	
3) What three changes occur from the crust to the core?		
4) What is direct evidence. Give example.		
5) What is indirect evidence. Give example.		
6) Explain the difference between the rock that makes up the lithosphere and the asthenosphere.		
7) What is a convection current?		
8) Where do convection currents occur inside the Earth AND why?		
9) What causes convection currents in the mantle?		
10) Where does sea-floor spreading		

begin?		
11) What is sea-floor spreading?		
12) Where would you find the oldest rocks during sea-floor spreading and why?		
13) What occurs on the ocean floor when a deep ocean trench is formed?		
14) Explain what subduction is...		
15) What happens when two plates carrying continental crust meet?		
16) What is the theory of continental drift?		
17) Why wasn't Alfred Wegner's idea originally accepted by his fellow scientists?		
18) What is Pangaea?		
19) What were the three types of evidence used to support the idea of continental drift.	1)	
	2)	
	3)	
20) Explain how each of the three types of evidence in #19 support theory of continental drift.		
21) What is the epicenter of an earthquake?		
22) What is the focus of an earthquake?		
23) Explain what a fault is?		
24) Create a diagram that shows each of the three parts mentioned in Q's 21-23. Label each part also.		
25) What are the 3 types of volcanoes?		
26) Describe how each type of volcano	volcano:	

forms and how it erupts.		
	_____ volcano:	
	_____ volcano:	
27) What are the 3 stages of volcanic activity?		