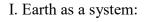
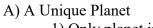
Earth's Interior Notes 8-4



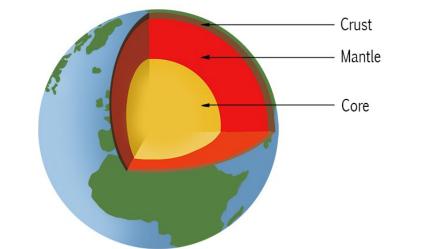


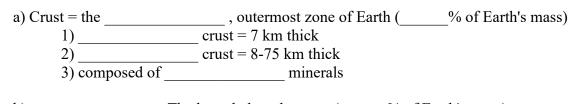
 Only planet in solar system with \_\_\_\_\_\_ water
 Large amount of \_\_\_\_\_\_ in atmosphere 3) Supports \_\_\_\_\_

B) Earth Basics

(2) 70% of Earth's surface is a	ocean (5 major oceans that connect)	
3) Oblate	= slightly flattened sphere with fatter equator	
a) Pole to Pole	= 40,007  km	
b)	circumference = $40,074$ km	
c) Average	= 12,756  km	

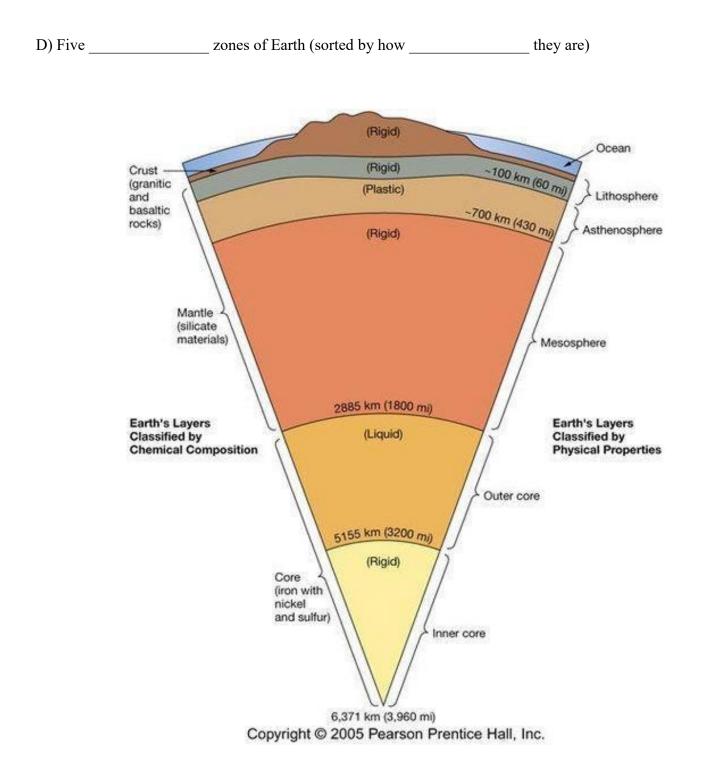
- C) Earth's interior (discovered by studying seismic waves)
  - 1) Three \_\_\_\_\_ zones (sorted by what they are \_\_\_\_\_ of)



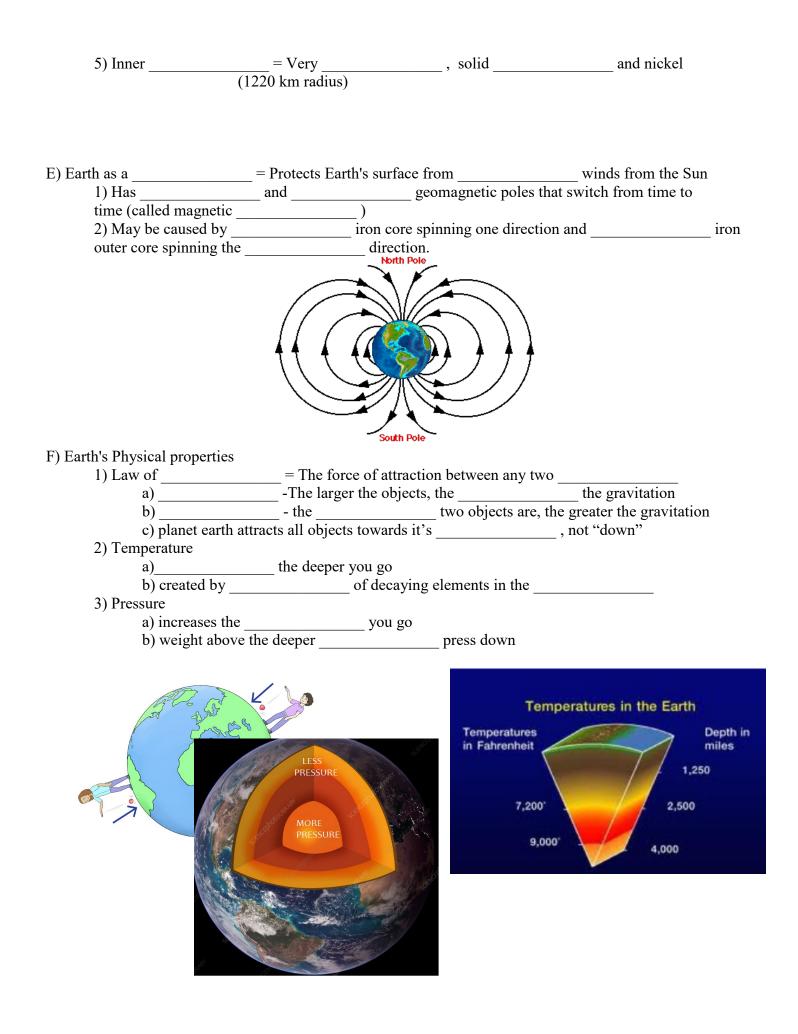


= The layer below the crust (\_\_\_\_% of Earth's mass) 1) 2890 km thick 2) greater \_\_\_\_\_ than crust b) \_\_\_\_\_ 3) composed of iron and silicates c) Core = \_\_\_\_\_ of the Earth 1) \_\_\_\_\_ km radius sphere

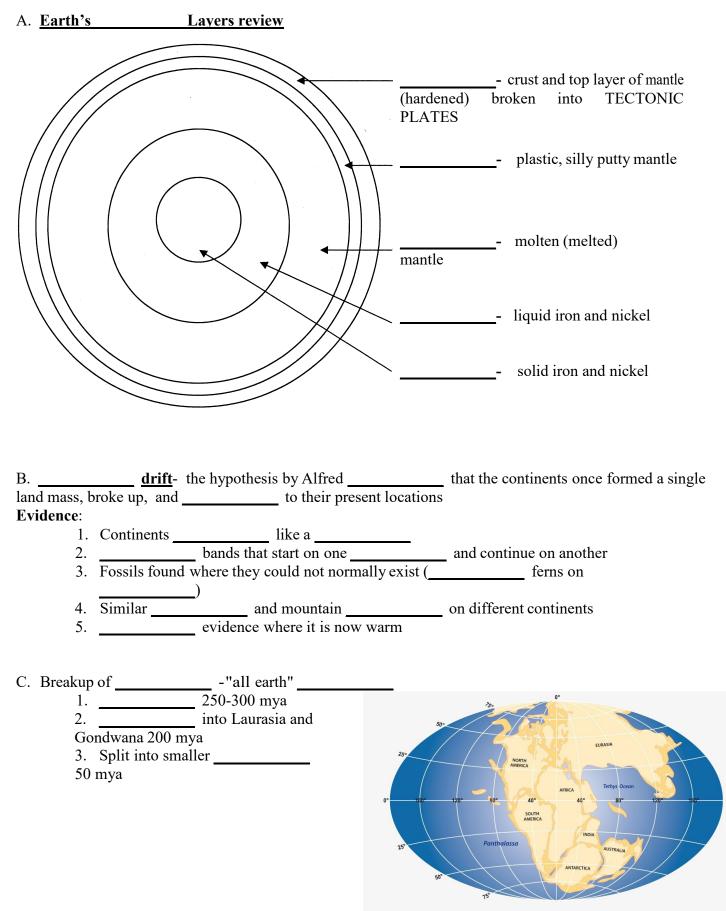




1)	= rigid upper mantle	to the crust	(15-300 km thick)
2)	= Plastic layer below the lithosphere that like silly put		like silly putty
	due to	(200 km thick)	
3)	Mantle = hot	rock layer below as	sthenosphere that flows
	just a little (2400 km thic	k)	
4)	Core = Dense,	iron and	(2260 km
	thick)		



## NOTES- CONTINENTAL DRIFT CH 9.1

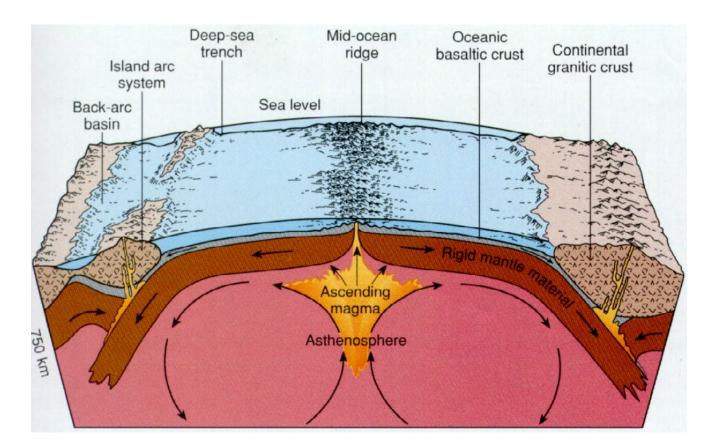


/23 PTS

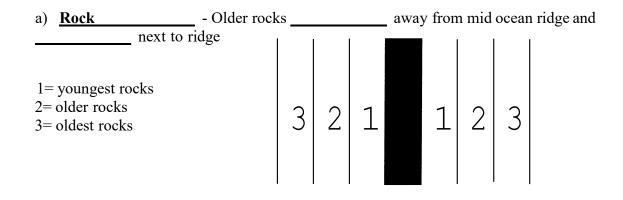
# NOTES- SEA FLOOR SPREADING 9.2

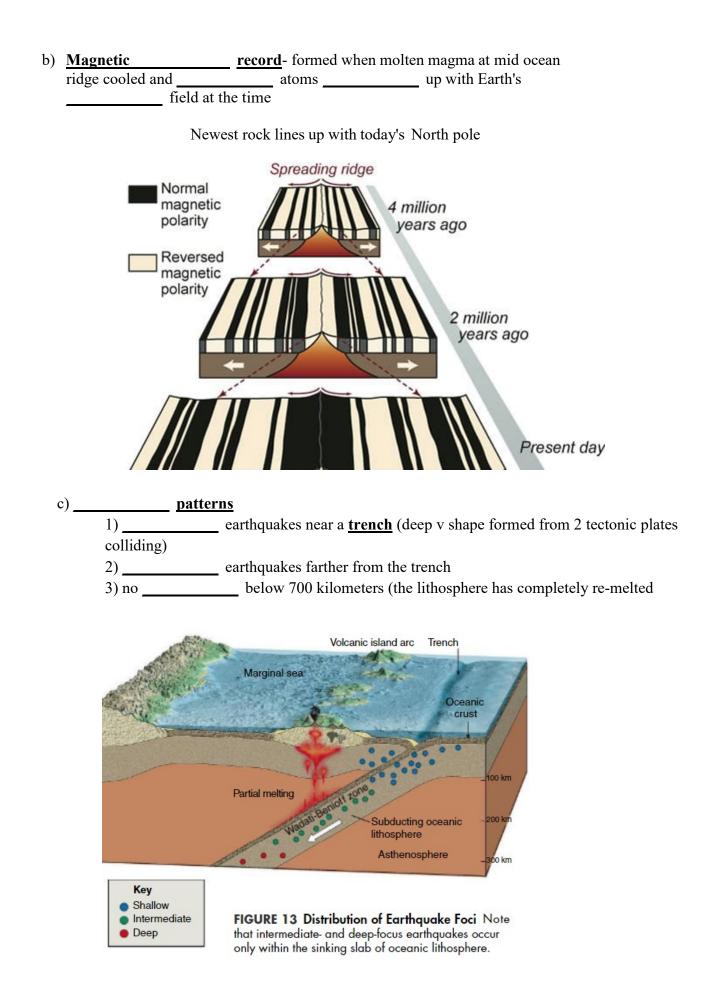
A. <u>Sea floor</u> - (1950's) found by equipment. Process by which new oceanic forms as rises toward the surface and solidifies. When the sea floor spreads it forms a...

Mid ridge- long chain of mountains

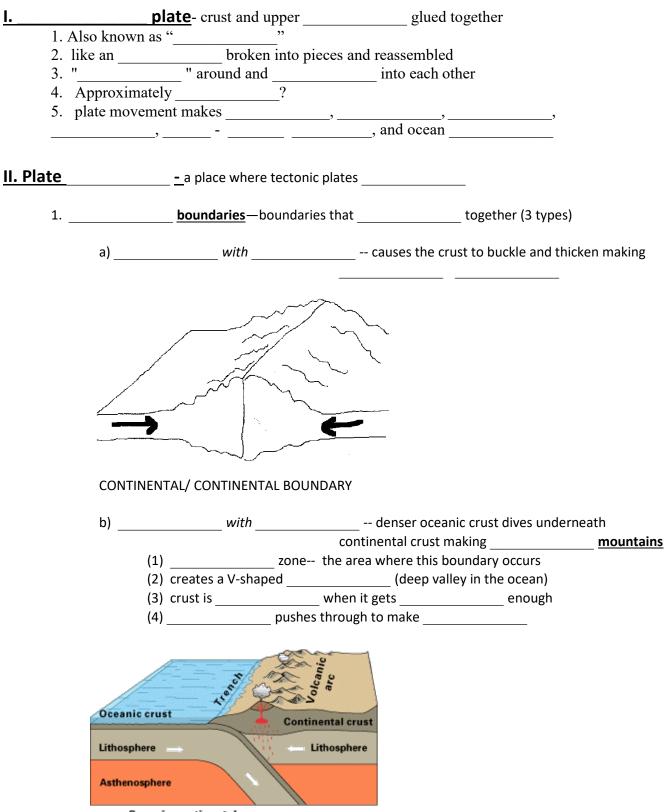


Evidence that the sea floor is spreading:

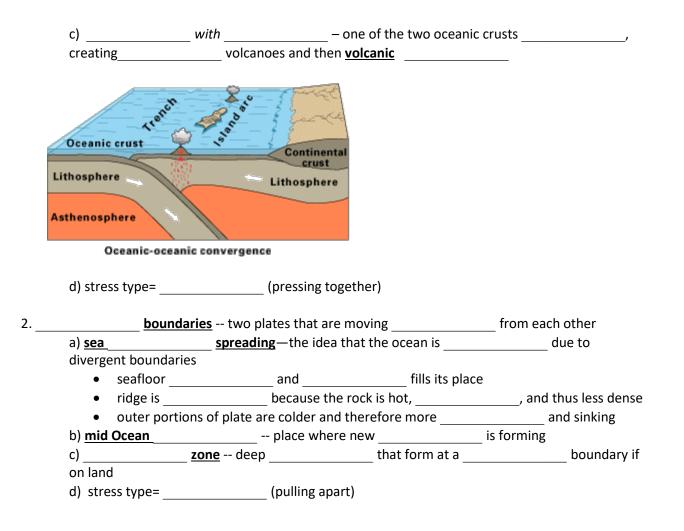




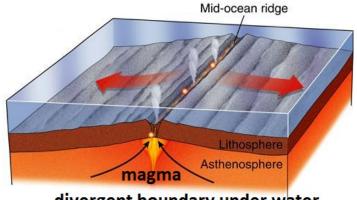
### NOTES-PLATE TECTONICS CH 9.3 and 9.4



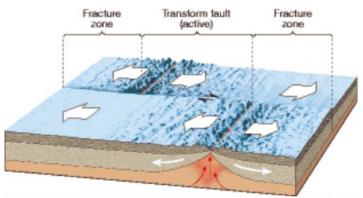
**Oceanic-continental convergence** 





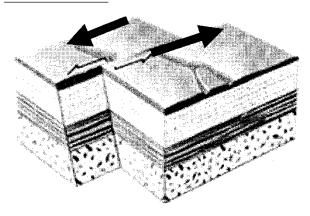


divergent boundary under water



mid ocean ridge offset by transform boundaries

3 \_\_\_\_\_ boundary -- place where two tectonic plates are \_\_\_\_\_ each other



#### III. THREE THEORIES FOR TECTONIC PLATE

 1.
 -- force of new crust formed at the ridge pushes on the plate

 2.
 -- one end of the plate is more dense and is pulled

 2.
 \_\_\_\_\_\_\_ -- one end of the plate is more dense and is pulled

 downward causing the rest of the plate to follow

 3.
 \_\_\_\_\_\_\_ -- hot rock
 \_\_\_\_\_\_\_ and cool rock
 \_\_\_\_\_\_\_ creating a

 Circular, spinning motion

#### **IV. HOW PLATES ARE TRACKED**

1. \_\_\_\_\_\_ -- global positioning system-records the exact distance between the satellite and the ground and records changes