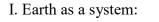
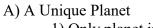
Earth's Interior Notes 8-4



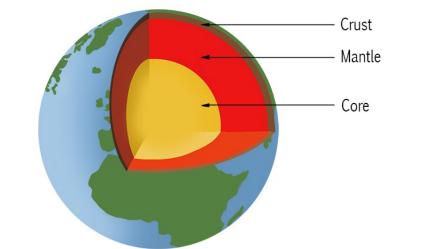


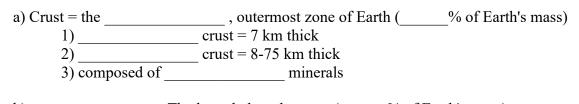
 Only planet in solar system with ______ water
 Large amount of ______ in atmosphere 3) Supports _____

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	

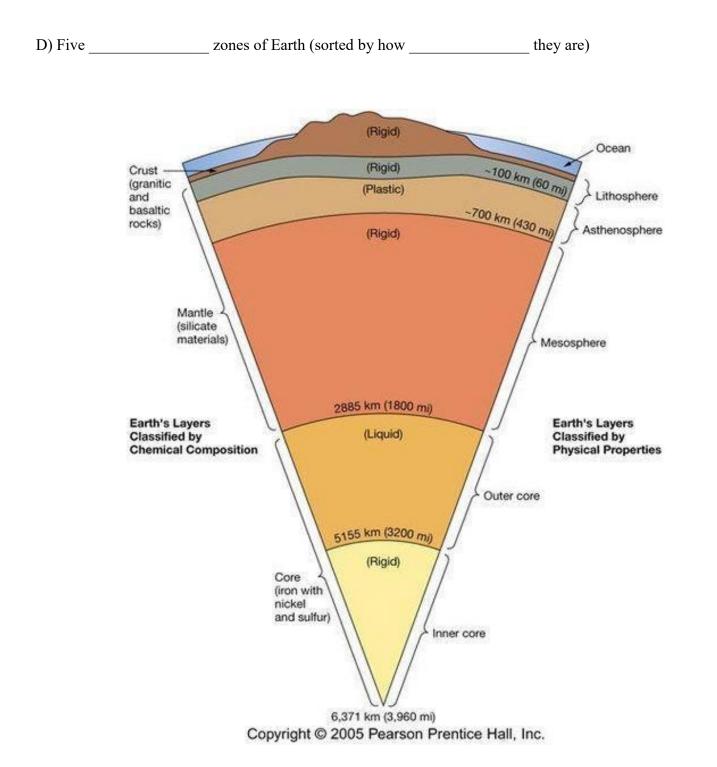
- C) Earth's interior (discovered by studying seismic waves)
 - 1) Three _____ zones (sorted by what they are _____ of)



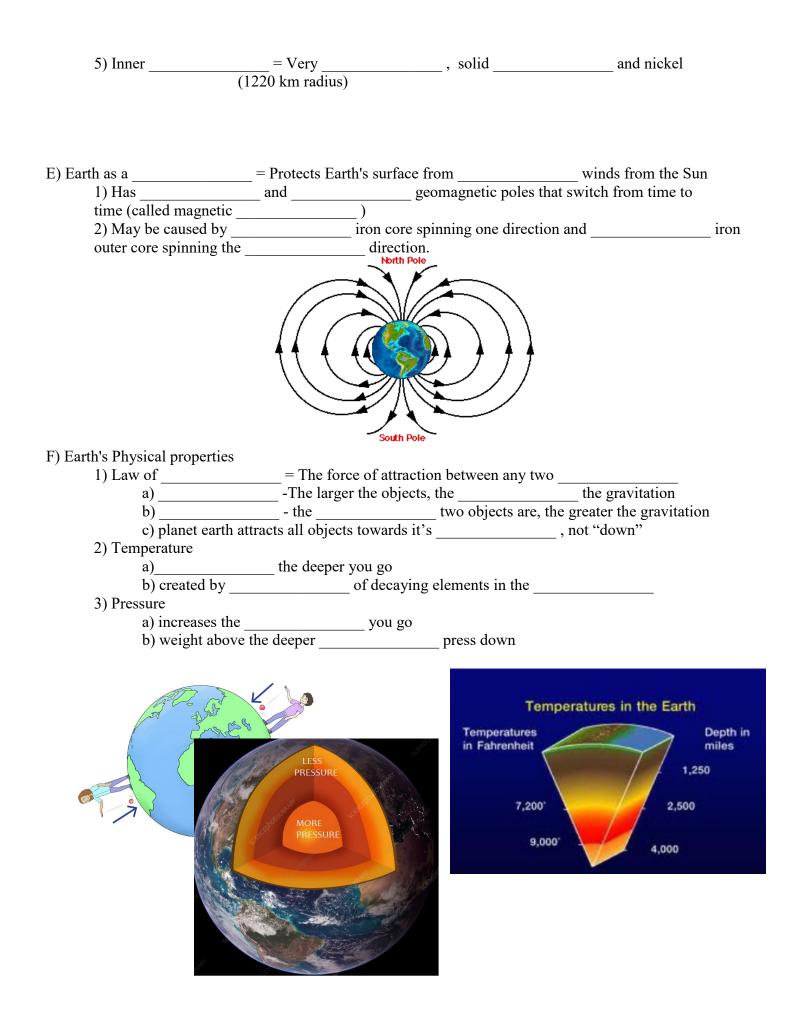


= The layer below the crust (____% of Earth's mass) 1) 2890 km thick 2) greater _____ than crust b) _____ 3) composed of iron and silicates c) Core = _____ of the Earth 1) _____ km radius sphere

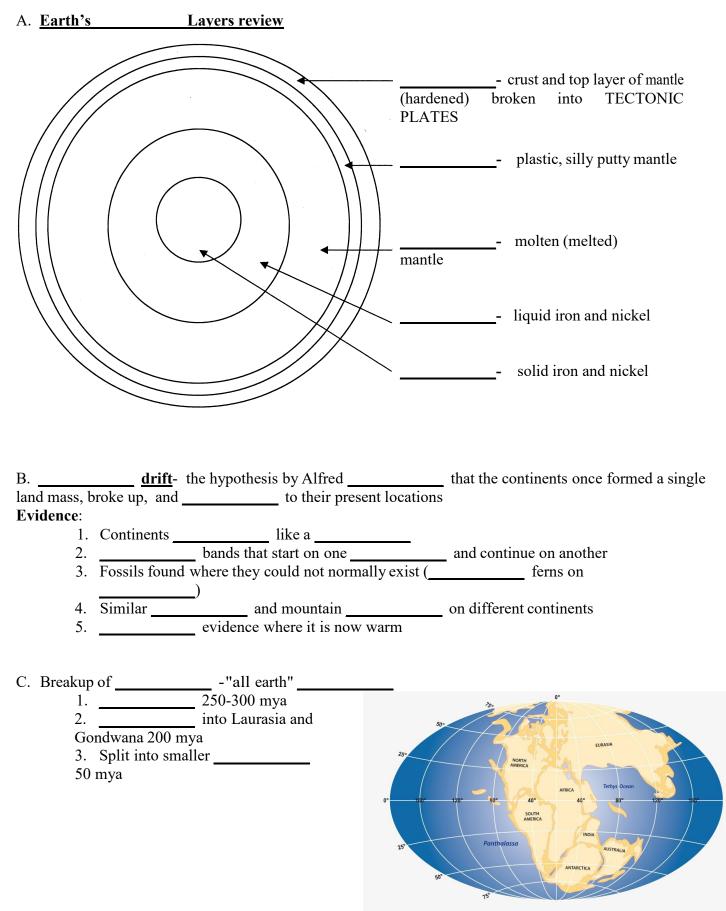




1)	= rigid upper mantle	to the crust	(15-300 km thick)
2)	= Plastic layer below the lithosphere that like silly put		like silly putty
	due to	(200 km thick)	
3)	Mantle = hot	rock layer below as	sthenosphere that flows
	just a little (2400 km thic	k)	
4)	Core = Dense,	iron and	(2260 km
	thick)		



NOTES- CONTINENTAL DRIFT CH 9.1

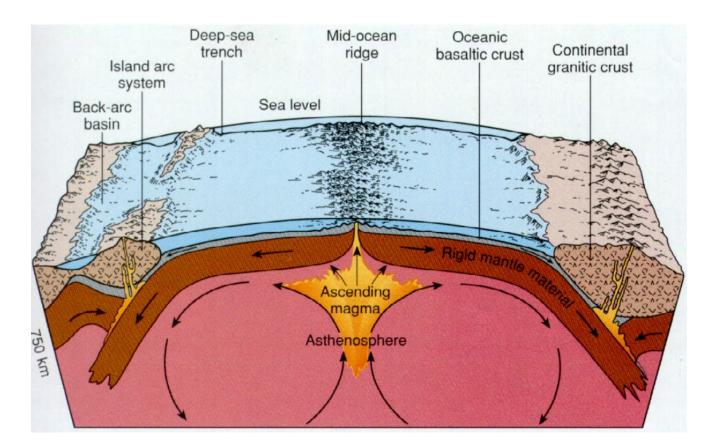


/23 PTS

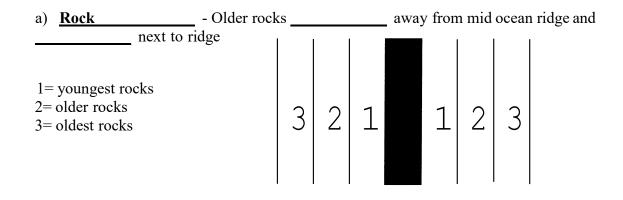
NOTES- SEA FLOOR SPREADING 9.2

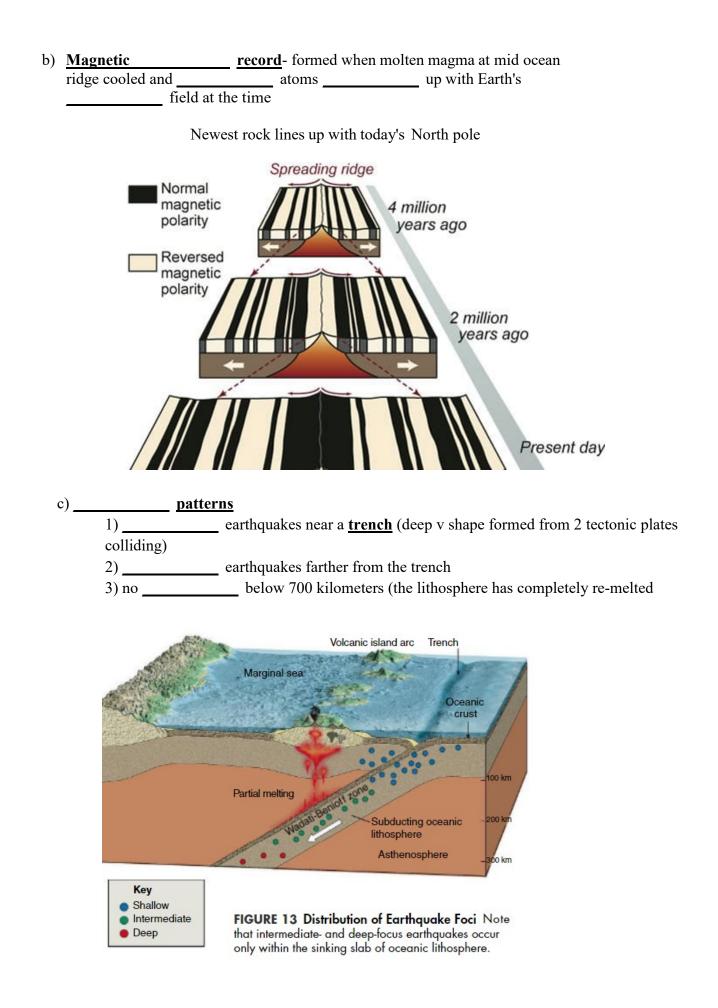
A. <u>Sea floor</u> - (1950's) found by equipment. Process by which new oceanic forms as rises toward the surface and solidifies. When the sea floor spreads it forms a...

Mid ridge- long chain of mountains

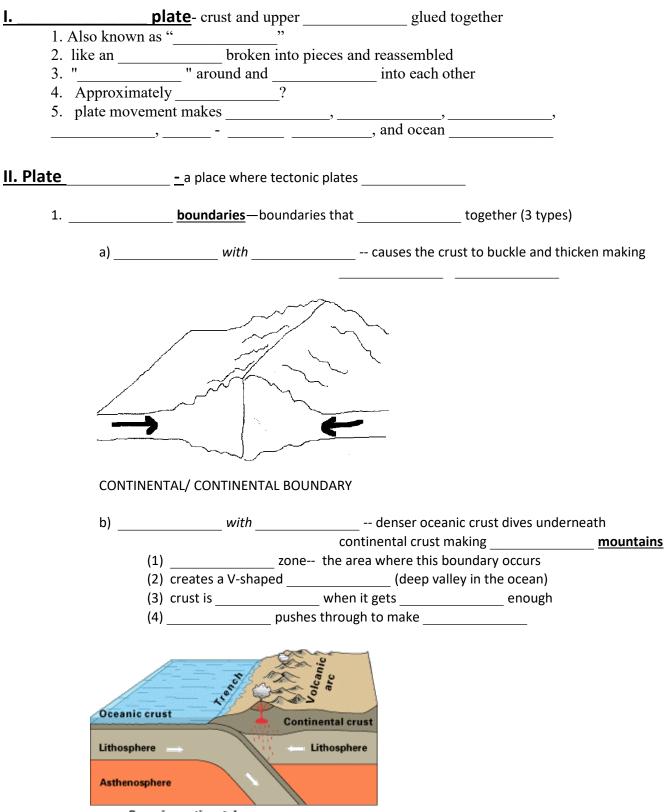


Evidence that the sea floor is spreading:

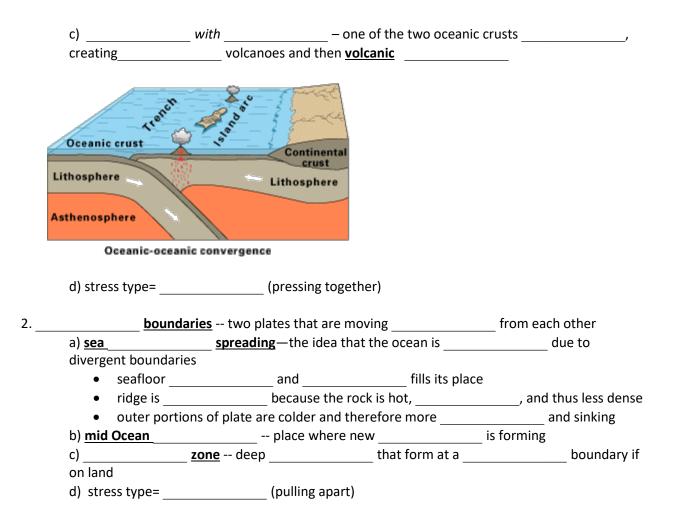




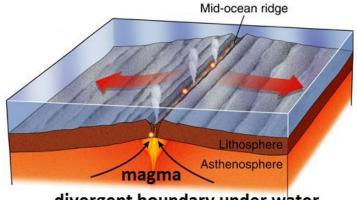
NOTES-PLATE TECTONICS CH 9.3 and 9.4



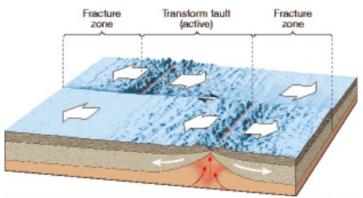
Oceanic-continental convergence





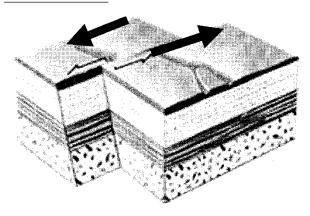


divergent boundary under water



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