ERHS SCIENCEMarine ScienceCHAPTER 3 – PlatDIRECTIONS: Fill in the blanks as you read Chap		
The age of the Earth is approximately Earth is one of the "rocky planets" which a the sun, so named for their solid core and Despite the fact that Earth also was hit by relatively few crates because of the surface of the Earth, scientists believe came from water in rocks deep in the Earth.	are <u>closest to / farthes</u> lack of thick layers o asteroids and other l the atmosphere and	<u>st away (Circle One)</u> from of atmospheric gases. bodies, it has _ forces. Regarding I the water present
Looking deeper at the Earth, we find a consisdue to extreme This outer core is This outer core is Between the crust and the thought to be a solid that can flow like a like deepersphere and the upper includes the most external layer: the	pressures, while the thought to cause Ea e core is the quid. It is divided into sphere.	e outer core is arth's, o two "spheres" – the
Continents are made up of, which is les which underlies the oceanic crust. Due to	s dense than the different densities, tl	he Earth's crust
floats at different levels. The balance read called According to material floats <u>shallower / deeper</u> (circle one).	· · ·	
Alfred Wegener proposed the idea of " 80 years ago. His evidence included: &		
Today, scientists believe in a new theory of , which involves the is a term to describe the ocean spreading later named sea floor spreading by used magnetic anomalies to show sea-floo ages of the rock. Bullard didn't use the vis instead went 500 m down; as a result his Wegener's. Plate Tectonics says that plat the mantle. New ocean crust is created a ocean crust is destroyed at molten rock below the surface. If it pushe and changes chem	called e movement of huge ' proposed by or spreading and con sible land as his puzz puzzle <u>fit / did not fit</u> tes move due to t s up above land it is mical composition quid	"plates." "Geopoetry" and Vine & Matthews npare the relative zle piece edge, but (circle one) better than in and old is called ckly. The density of
the crust changes. The older / newer (circle	one) the oceanic crust	t, the more dense it

is. Having been "distilled," the lava creating a continent has a greater / smaller (circle one) density than the oceanic crust, so continents are _____ dense. If an oceanic crust meets continental crust at a convergent boundary, a _____zone is formed and a trench is found. Where plates slide

past each other a _____ fault is found.

ON THE DIAGRAM, label each of these:

- □ Trenches
- Trenches
 Ocean plates
 Continental plates
 Diverging plate
 Mountains
 Ocean ridges
- Converging plates
- Diverging plates
 Circle the
- Island arc volcanoes

subduction zones

	crust	
		· · · · · · · · · · · · · · · · · · ·
LIST the boundary fo	eatures of each type of bound o-><-o	lary: c-><-c
divergent	transform	

Why isn't Hawaii classified as Island Arc Volcanoes? How was/is it formed?

According to magnetic anomalies, the oldest crust is around _____million years and is found nearest the <u>midocean ridge / continental shelf (circle one)</u>. margins are convergent while _____ margins are like in the Atlantic.