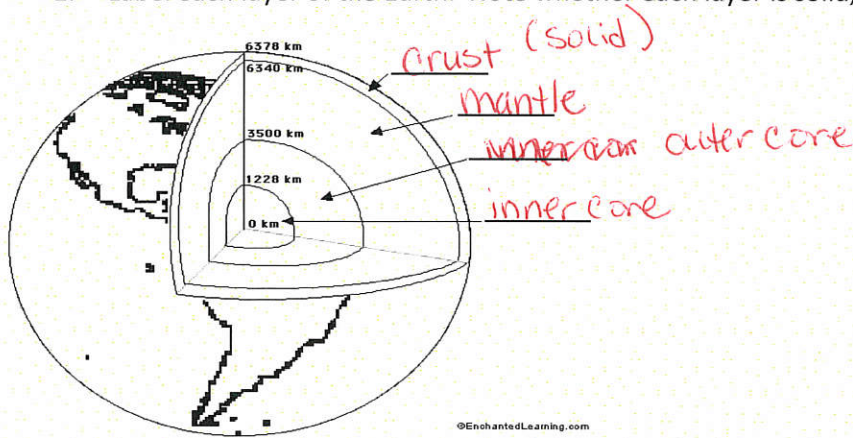


Name: Key Date: _____

Science Chapter 6 Study Guide

1. Label each layer of the Earth. Note whether each layer is solid, liquid or gas.



2. Name the 2 parts of the crust.

Continental crust
oceanic crust

3. How are they different from each other?

oceanic - dense / thinner
Continental - thick / lighter, less dense

4. What is Wegener's Theory?

Continental drift = a single large land mass broke up into smaller land masses to form the continents

5. What is the evidence to support this theory?

fossils found on continents that are far from each other, also mountain ranges, similar rocks show pattern

6. What are the three types of boundaries? How do each of these boundaries move? What is the result of the movement? (remember one boundary can have two different outcomes depending upon the type of crust, mention both) If you draw a picture, you must label what is happening in the picture.

a. Convergent - plates collide into each other

* ocean / continental - oceanic crust goes under continental forms volcano

* continental / continental - plates collide into each other forms mountains

b. Divergent plates move away from each other
causes mid ocean ridge

c. Transform plates slide past one another horizontally
causes earthquakes

7. What is subduction?

where one plate (denser) goes under the other
during convergent boundaries

8. What part of the Earth are the plates moving on?

asthenosphere

9. What causes the movement of the tectonic plates?

Convection currents

10. What are the three types of faults called? Name them and describe their movement.

a. Normal - hanging wall moves down relative to footwall; rocks are pulled apart

b. Reverse - hanging wall moves up from footwall, rocks are pushed together by compression

c. Strike Slip - moves past each other horizontally; rocks move past each other

11. Describe what type of boundary and fault system the San Andreas fault represents.

Strike-slip fault / transform boundary

12. What are the names of the two plates that border California?

N. American Plate

~~Transform~~
Pacific plate