

Earth's layers

1.) Complete the table below

Type of crust	Composed of what type of rock	Density	Thick/Thin

2.) Describe the different between granite and basalt (type of rock, color and texture)

3.) What minerals make up the crust? What minerals make up the core?

4.) Complete the following table:

Layer of the Earth (outside to inside)	State of matter

5.) Name **and** describe the layers of the mantle. In what layer does convection occur?

6.) Describe in detail (identify the heat source, talk about temperature differences, particle movement and density) how this lava lamp works. Make sure to place your information in the correct place on the picture

7.) The process that causes this lava lamp to work is called _____



Continental Drift and Plate tectonics

-Define the following vocabulary

- Continental drift
- Pangaea
- Fossils
- Fault
- Plate
- Divergent boundary
- Mid ocean ridge
- Central Valley
- Sea floor spreading
- Convergent boundary
- Subduction
- Deep ocean trench
- Magnetic Stripes
- Hot Spot
- Ring of Fire

Chapter 5 TEST ---Lesson 1-3, slides 1-18, 34 & 35

1.) Define *Theory of Continental Drift*-

2.) what is Pangaea -

3.) Who developed the *Theory of Continental Drift*? _____

4.) Name and describe the evidence for continental drift

1.) _____

a. _____

b. _____

2.) _____

3.) _____

a. _____

b. _____

c. _____

5.) Why was continental drift rejected?

6.) Complete the table

<u>Plate Boundary</u>	<u>Direction of Plate Movement</u>	<u>Landforms/features created</u>
<hr/> <p>1.)</p> <p>2.)</p>		
<hr/> <p>1.)</p> <p>2.)</p> <p>3.)</p>		

7.) What is a "plate"? _____

8.) What makes the plates move? _____

9.) What is Sea floor spreading _____

10.)What is a MOR? _____

11.)What is subduction? _____

12.)What specific types of plate boundaries does subduction occur at? _____

13.) How do sea floor spreading and subduction work together?

14.) What is a deep ocean trench?

15.) What specific types of plate boundaries do deep ocean trenches occur at?

16.) Describe age, temperature and density of rock at center vs. ends of MOR

17.) Describe WHAT magnetic stripes are **and explain** HOW they prove the plates are moving

18.) Where does most volcanic and earthquake action take place?

19.) What is a hotspot? Give two examples of hotspots in the US.

20.) What is the ring of fire? Where is the ring of fire?

** Make sure you understand how to read and answer questions using the "Tectonics Plates" map

