

Name:

Plate Tectonics Notes

Materials of similar density _____.

Layers of the Earth:

| Layer | Physical State | Chemical Composition |
|-------|----------------|----------------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

2 Kinds of Crust:

2 Kinds of Mantle:

List the density of the layers

The most dense is the _____ and the least dense is the _____.

Convection Currents:

What causes cracks in the earth? _____

How many major plates are there?

Crustal Plates:

Plates Move in 4 Ways:

- 1.
- 2.
- 3.
- 4.

What happens in Subduction?

What develops as a result of subduction?

Ocean Trenches form in _____. Ocean trenches are _____
_____.

Continental collision occurs when:

A perpendicular break, or fracture zone that causes shallow earthquakes is called a _____
_____.

What is a hot spot and what is formed as a result?

Atoll:

Guyotes:

Some More Vocabulary

continent-

earthquake-

lithosphere-

mantle-

mid-ocean ridge-

Pangaea-

subduction zone-

trench--

volcano-

Wegener's theory-