

## Plate Tectonics - Powerpoint Note

The scientific study of the origin, history, and structure of the earth is called \_\_\_\_\_

\_\_\_\_\_, a German scientist came up with this theory

- He suggested that 300 million years ago, all of the earth's land masses collided to form one supercontinent.

- He called it \_\_\_\_\_ – “all land”. This was proved when animal remains in the form of \_\_\_\_\_ were found in continents that used to be joined.

We now know that the Continents move on \_\_\_\_\_. The movement is caused by \_\_\_\_\_ from the Earth's \_\_\_\_\_. The heat causes \_\_\_\_\_ currents. The movement is called plate \_\_\_\_\_.

At \_\_\_\_\_ boundaries, plates collide into each other, deforming the crust and creating volcanoes, mountains or island arcs.

\_\_\_\_\_ to \_\_\_\_\_ -When two continental plates collide head on, the crust will buckle, and fold upwards creating mountains.

At divergent boundaries, plates are pulling apart. As a result, new crust is created and added to the earth. If this crust is added on a continental plate, it is called a rift. If it occurs at the bottom of an ocean, it creates a ridge.

At \_\_\_\_\_ boundaries, or faults, two plates slide past each other. Most transform boundaries are found on the ocean floor; however a few occur on land. These can cause earthquakes.