**Unit 4: The Theory of Plate Tectonics Learning Goals**

By the end of this unit you should be able to:

* Define the following terms: mid-ocean ridges, sea floor spreading, trenches, theory of plate tectonics, tectonic plates, convergent plate boundary, mantle convection, slab, divergent pate boundary, transform plate boundary, ridge push, slab pull, earthquake, epicentre, fault, seismographs, focus, magnitude, seismic waves, volcano,lava,geohazard.
* Discuss evidence that supports the theory of continental drift.
* Discuss how earthquakes, volcanoes and mountain support theory of plate tectonics
* Discuss how plates move in relation to each other and geological activities associated with their movement, including the three main types of plate boundaries.
* Use Theory of Plate Tectonics to explain Earth’s geological processes.
* Describe how and where earthquakes and volcanoes occur
* Explain how the intensity of earthquakes is measure and communicated
* Describe ways that mountains form
* Discuss how do geological features and processes affect where and how we live?