

Sec I Study Geology Study Guide

Learn these terms.

p 152 – Structures of the Earth

- Inner Core
- Outer Core
- Mantle
- Crust

If the Earth were an egg, what would the core, mantle and crust be in the egg?

p 156 – Lithosphere solid outer part of Earth made up of the crust and upper mantle.

p 157 – In what ways do humans transform & interact with the lithosphere?

p 158 – Relief

- Plateaus & shields
- Plains & hills
- Mountains & valleys

Some 60 % of all humans live on the plains of the Earth.

p 176 – Tectonic plates.

p 177 & 178 – Movement of tectonic plates.

- Collisions between two tectonic plates leads to formation of folds in the Earth's crust (mountains).
- Subduction zone collisions leads to the formation of volcanoes
- Separation; Magma solidifies between two oceanic plates leads to formation of the mid-oceanic ridges.
- Tectonic plates rubbing against one another results in earthquakes

All tectonic plate movement can result in earthquakes as pressure of the slow moving plates built up over centuries is suddenly released.

p 186 – Volcanoes.

- What is the difference between magma and lava?
- Name, describe, and locate the five parts of a volcano.
 - o Magma chamber
 - o Main vent
 - o Secondary vent
 - o Cone
 - o Lava exiting crater
 - o Cloud of ash & gas