**Science Test Study Guide – Test Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**You need to know ALL of this information!**

Chapter 11

* Vocabulary – write and know the definitions!

Stress, tension, compression, shearing, normal fault, reverse fault, strike-slip fault, plateau, earthquake, focus, epicenter, P wave, S wave, surface wave, seismograph, Modified Mercalli scale, Richter scale,

* 3 types of stress that occur in Earth’s crust – know their names and be able to identify a picture of each
* 3 main types of faults – know their names, where they occur, and be able to identify a picture of each
* 3 types of seismic waves – know their names, their motion, which cause the most damage
* 3 types of scales used to measure Earthquakes

Chapter 12

* Vocabulary – write and know the definitions!

Volcano, magma, lava, Ring of Fire, island arc, hot spot, magma chamber, pipe, vent, lava flow, crater, silica, pyroclastic flow, dormant, extinct

* Where are volcanoes mostly found on Earth?
* Which type of boundary forms island arcs?
* When does a volcano form away from plate boundaries?
* What force causes a volcanic eruption?
* 2 main types of volcanic eruptions – know about the speed of the lava flow, the amount of silica in the magma, is the magma thin or thick, which produces ash and bombs, which forms the rocks called Pahoehoe and Aa
* How can quiet eruptions cause damage?
* How can explosive eruptions cause damage?