Be familiar with these 30 terms, multiple terms and/or concepts. You will see some of them in the definition and compare and contrast components of the up-coming Lecture test. They are not the only things that you are responsible for on the exam. Multiple answer, fill-in-the-blanks and essay questions will require comprehensive study of your lecture notes and web lecture notes. Use of a text book (hardcopy or electronic) during studying is not required, but may prove valuable for some students.

magma, lava
magma, lava
magma, lava
convergent, divergent, transform plate boundaries
island arc
Paleomagnetism
lithosphere, asthenosphere
subduction
protons, neutrons, electrons
atomic number, atomic weight
cations, anions
polymorph
pyroclastic
caldera
nuée ardent
mineral classes
lahar
minerals (silicate minerals)
rock cycle
extrusive (volcanic) rocks
intrusive (plutonic) rocks
pyroclastic igneous rocks
hotspot
pluton
parasitic cone
active, extinct, dormant volcano
viscosity
cinder cone, composite, shield volcano
fractionation
dike, sill
bonding (metallic, ionic, covalent, hydrogen)

In addition to this word list, I present you with one of the 3 essay questions that will appear on Lecture test 1.

1) There are a lot of different silicate mineral subclasses. What are they, how do they differ and why are they so prevalent in the earth’s’ crust?. Use sketches to augment your answer.