

Exam #3 Review Sheet

Chapter 13: (Tectonics and Surface Relief)

Principle of Isostasy (how density, volume, gravity affect isostasy)

Global elevations

Isostasy

Icebergs and varying elevations (relief)

Erosion and Deposition

Mountain Roots

Subsidence/Uplift

Pratt/Airy

Glacial Rebound

Sea level change

Transgression/regression

Volume (shape/depth/age)

Exotic Terranes/Provinces

Chapter 14: (Earth's Interior) Lecture 9 Review online

<http://www.geology110.com/files/lecture9/html/index.htm>

Oceanic vs Continental Crust

Thickness and Composition

Seismic Waves

Surface Waves (Rayleigh/Love)

Body Waves (P and S)

Focus vs. Epicenter

Reflection vs. Refraction

Time Travel Curves

Rock type's effect on Seismic Velocity

Physical vs. Chemical Division of the Earth's Interior

Transition Zones (Moho, LVZ etc.)

Temperature's within the Earth

Chapter 14: (Motion inside the Earth) Lecture 10 Review online

<http://www.geology110.com/files/lecture10/html/index.htm>

Heat Transfer (Convection, Conduction, and Radiation)

Magnetic Field (Declination, Inclination)

Declination and Inclination

Normal/Reverse Polarity Intervals

Chapter 17: (Deformation of Rocks) Lecture 11 Review online

<http://www.geology110.com/files/lecture11/html/index.htm>

Strike and Dip

Folds (Limb, hinge line, axial plane) **Lecture 11 and Folds [pdf]**

Symmetrical vs Asymmetrical

Plunging vs Non-Plunging

Anticlines and Synclines

Faults (Hanging Wall/Footwall) **Lecture 11 and Faults [pdf]**

Strike-Slip

Left lateral/Right lateral

Dip-Slip

Normal/Reverse (thrust)

Oblique Slip

Rock Strain and Rock Strength