

## Exam #4 Review Sheet

### Chapter 14

Faults (Hanging Wall/Footwall)

Strike-Slip

Left lateral/Right lateral

Dip-Slip

Normal/Reverse (thrust)

Oblique Slip

Rock Strain and Rock Strength

Earthquake Measurements

Intensity, Magnitude, Seismic Moment, Liquefaction

Modified Mercalli's Scale/ Richter Scale/ Moment Magnitude

**Chapter 15: (Tectonic Plate Motion)** [Tectonic Plate Motion \(html\)](#), [Plate Tectonics: Volcanic Activity \(html\)](#), see syllabus for PFD versions, Review quiz 5

Continental Drift (plate reconstruction)

Hot Spots and Plumes (fixed or moving)

Evidence for Plate Tectonics (supporting data)

Specific types of plate boundaries

Plate boundaries, motion and features

Fracture zone

Wadati-Benioff Zone

Riff Valleys

Seafloor Spreading

Seamounts

Upwelling/Downwelling

**Chapter 5: (Soils)** [Soil \[pdf\]](#)

Horizons (OAEBC)

Factors and Environment

**Chapter 8: (Mass Movement)** [Mass Movement \(html\)](#),

Characteristics

Types (Fall, Slide, Slump)

Driving and Resisting forces (Gravity, Friction, Cohesion)

Factors that determine slope Stability

Occurrence (Triggers)

Landscape Sculpting