

Exam #4 Review Sheet

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

Chapter 9: (Streams) [Streams pdf](#)
Hydrologic Cycle
Drainage basins
Discharge
Sediment Loads (Dissolved, Suspended, Bedload)
Shear Stress and Stream Power
Erosion (plucking and abrasion)
Transportation and Deposition

Chapter 10: (Groundwater) [Glacier \[pdf\]](#)
Storage
Porosity and Permeability
Water Table/ Perched Water Table
Saturated vs Unsaturated Zones
Aquifers (confined/unconfined/artesian)
Recharge vs Discharge
Cone of Depression
Contamination

Chapter 11: (Glaciers) [Glacier \[pdf\]](#)

Types (Valley/sheet/cap)

Snowline

Zone of accumulation/Zone of wastage

Snow metamorphism

Depositional and Erosional landforms

Erosion (plucking and abrasion)

Deposits (tills, outwash)