

Study Guide #3 for Geology 101

Weathering: Key terms and concepts:

weathering (chemical and physical)

joints

spheroidal weathering

erosion

exfoliation

Mass Wasting:

mass movement, mass wasting

talus,

rockslide, rockfall

mudflow, slump

solifluction

Groundwater:

reservoir, groundwater

infiltration, runoff

aquifer, aquiclude

permeability, porosity

artesian flow

perched water table

sinkhole, karst

Running Water:

stream, river

laminar, turbulent flow

load (bed, suspended)

dune, ripple, pothole

valley, channel, floodplain

meander, point bar, oxbow lake

levee, tributary, distributary

base level, longitudinal profile

alluvial fan, terrace, delta

divide, drainage basin

drainage network (dendritic, rectangular, trellis, radial)

Winds and Deserts:

eolian (aeolian)

deflation, desert pavement

sandblasting, ventifact

yardang, barchan, transverse, blowout, linear

loess

desert varnish

playa, dry wash, wadi, pediment, mesa

Glaciers:

glacier (valley, continental)

accumulation, ablation

iceberg calving, sublimation

plastic flow, basal slip

crevasse

rock flour, striation

cirque, arete

U-shaped valley, hanging valley, fjord

drift, till, erratic

outwash, moraine

drumlin, kame, varve

kettle, esker

Shorelines:

coast, shoreline

swell, wavelength

longshore drift, current

continental shelf, slope, canyon, rise

abyssal plain

turbidity current

submarine fan

Earth Evolution:

orogeny, craton, shield

Cycles:

biosphere

greenhouse effect

photosynthesis

stratosphere, ozone

superplumes, bolide impacts

cycle