

Geology 101, Fall 2004

**Assignment 3: Weathering, erosion and sedimentary rocks**

**Define/distinguish** the following terms:

physical (mechanical) weathering

chemical weathering

freeze/thaw (frost wedging)

thermal expansion/contraction

exfoliation (weathering rind)

dissolution

oxidation

hydrolysis

soil

soil horizon

regolith

lithification

compaction

cementation

sedimentary rock texture

clast

clastic (detrital) rocks

chemical rocks

grain size

grain shape

grain sorting

sedimentary structures

bed

graded beds

cross-beds

ripple marks

mudcracks

depositional environment

marine

transitional

continental

hydrothermal alteration

lithostatic pressure

directed pressure

foliation

contact metamorphism

regional (burial) metamorphism

dynamothermal (convergent)  
metamorphism

index mineral

metamorphic grade

protolith