

**Matter and Minerals (Fall 2005)**  
**Geology Reading Assignments for the Fall Quarter**

Week	Topic
1	Preface
2	Ch 1 Building a Planet, Ch 2 Plate tectonics; The unifying theory
3	Ch 3 Minerals: The building blocks of rocks Ch 4 Rocks: record of geologic processes
4	Ch. 5 Igneous rocks: solids from melts Ch 6 Volcanism
5	Ch 7 Weathering and erosion Ch 8 Sediments and sedimentary rocks
6	Ch 9 Metamorphic rocks Ch 10 The rock record and the geologic time scale
7	Ch 13 The hydrologic cycle and groundwater Ch 14 Streams: Transport to the oceans
8	Ch 15 winds and deserts Ch 16 Glaciers: the work of ice
9	Ch 17 Earth beneath the oceans Ch 18 Landscapes: Tectonic and climate interaction Ch 19 Earthquakes Ch 20 Evolution of the continents
10	Ch 21 Exploring Earth's interior Ch 22 Energy and material resources from the earth Ch 23 Earth's environment, global change and human impacts