

Mineralogy/petrology basic knowledge

Principles of mineralogy: definition of mineral, structure of a simple solids (NaCl), some minerals of magmatic, metamorphic and sedimentary rocks (quartz, feldspar, micas, pyroxene, garnet, calcite, gypsum, pyrite: formulas, properties).

Principles of petrology: rock cycle, types of rocks.

Basic knowlodge of artificial stone materials: to know what is: mortar, plaster, ceramics, bricks.

Web resources:

<http://serc.carleton.edu/NAGTWorkshops/mineralogy/index.html>

<http://serc.carleton.edu/NAGTWorkshops/petrology/index.html>

<http://www.minerant.org/educational.html>

<http://www.tulane.edu/~sanelson/eens211/index.html>

<http://www.webmineral.com>

Textbooks: any introductory textbook of earth sciences used in high school.