

# ASTRONOMY 07

## Rock sheet

#	ROCK	TYPE	SITE	THINGS TO NOTE
10001A	Serpentinite	Metamorphic	Plumas Co., CA	Slick surface, greenish.
10002A	Calcite	(Mineral)	El Dorado Co., CA	Formerly carbon dioxide.
11001A	Pumice	Igneous (Volcanic)	Douglas Co., OR	Very low-mass for its size.
11002A	Sandstone	Sedimentary	Southern Spain	Grainy, cemented sand.
12001A	Obsidian	Igneous (Volcanic)	Modoca Co., CA	Use caution--sharp edges. So fine-grained it doesn't have grains!
12002A	Coral	---	Kaua'i Co., HI	Formerly a life form.
12003A	Obsidian	Igneous (Volcanic)	Lake, Co., CA	Use caution--sharp edges. So fine-grained it doesn't have grains!
13001A	Limestone	Sedimentary	San Bern. Co., CA	Fossil bearing.
14001A	Granite	Igneous	Tuolumne Co., CA	Overall light grey. White and black. Large crystals show it cooled slowly.
14002A	Granite	Igneous	Tuolumne Co., CA	Overall light grey. White and black. Large crystals show it cooled slowly.
14003A-B	Basalt	Igneous	Tuolumne Co., CA	Overall dark grey. Very tiny crystals show it cooled rapidly.
14004A-B	Mudstone	Sedimentary	Napa Co., CA	Fine grained, cemented mud!
14005A-B	Tuff	Igneous (Volcanic)	Mono Co., CA	Ash that solidified.
15001A	Granite	Igneous	Baja California, MX	Overall light grey. Large crystals show it cooled slowly.
15002A	Sandstone	Sedimentary	Baja California, MX	Different layers laid down different times.
15003	Mica Shist	Metamorphic	San Diego Co., CA	Fragmented chips of mica.
15004	Hematite	Metamorphic	Ilroud, Morocco (bought)	Note spheroidal bumps, similar to nodules on Mars.
15005	Travertine	Sedimentary	Mono Co., CA	CaCO <sub>3</sub> deposited at a hot spring; note layering showing episodes.
15006	Tuff	Igneous (Volcanic)	Mono Co., CA	Bishop Tuff, 760,000 years old.
15007	Gneiss	Metamorphic	Placer Co., CA	Formerly plutonic (underground igneous). Note layers from squeezing.
15008	Greenstone	Metamorphic	Yolo Co., CA	Green = formerly basalt, quartz veining injected via lava into cracks.
15010	Jasper	Sedimentary	Yolo Co., CA	Extremely fine texture, layers showing episodes of deposition
15011	Granite	Igneous	Los Angeles	Note loose alignment of black crystals suggest squeezing or stretching
15012	Serpentinite	Metamorphic	Siskiyou Co., CA	Slick surface, greenish.
15013	Gneiss?		Sacramento County, CA	Note the two faults, filled with quartz. The broken fault is older.
16001	Slag	Manmade	Cook County, IL	Looks like something from space; commonly misidentified as a meteorite
17001	Marble	Metamorphic	Humboldt County, CA	Weakly metamorphosed limestone; showing distorted layering
17002	Metaconglomerate	Metamorphic	Inyo County, CA	Notice the chunks of older rock, cemented together