

Geology 21-40, Sedimentary

Sample number	Rock	Type	Luster	Hardness	Color	Streak	Texture	Composition	Formation
21	tufa	sedimentary	non-metallic	4.5 - 5.5	mocha	light gray	light, sand-sized particles	calcium carbonate, fizzes	biochemical
22	micrite	sedimentary	non-metallic	4.5 - 5.5	white, mocha	light tan	silt-sized or microcrystalline	calcium carbonate, fizzes	biochemical
23	conglomerate	sedimentary	non-metallic	4.5 - 5.5	rose, gray	white	sand-sized particles or larger	quartz, feldspar, rock fragments or clay	detrital
24	calcirudite	sedimentary	non-metallic	< 3.5	whitish tan	sandy	sand-sized particles or larger, shell material or organic	calcium carbonate, fizzes	biochemical
25	quartz sandstone	sedimentary	non-metallic	> 5.5	sandy	sandy	silt-sized or microcrystalline	quartz, feldspar, rock fragments or clay	detrital
26	claystone	sedimentary	non-metallic	< 3.5	gray	light gray	silt-sized or microcrystalline	quartz, feldspar, rock fragments or clay	detrital
27	arkose	sedimentary	non-metallic	< 2.5	dark rose	brown, flaky	sand-sized particles or larger	quartz, feldspar, rock fragments or clay	detrital

Geology, 21-40, Igneous

Sample number	Rock	Type	Luster	Hardness	Color	Streak	Texture	Composition	Formation
28	andesite	igneous	non-metallic	> 5.5	light gray	light gray	aphanitic	small embedded black crystals	extrusive
29	obsidian	igneous	non-metallic	6.0	black	too hard	glassy	shiny	extrusive
30	rhyolite	igneous	non-metallic	> 5.5	off-white	white	aphanitic		extrusive
31	pumice	igneous	non-metallic	< 2.5	light gray	light gray	vesicular	very light	intrusive
32	granite	igneous	non-metallic	> 5.5	pink, black	too hard	phaneritic	crystals, sparkles	intrusive
33	gabbro	igneous	non-metallic	4.5 - 5.5	black	too hard	phaneritic	white crystals	intrusive
34	basalt	igneous	non-metallic	4.5 - 5.5	light gray	light gray	aphanitic		extrusive

Geology, 21-40, Metamorphic

Sample number	Rock	Type	Luster	Hardness	Color	Streak	Texture	Composition	Formation
35	hornfels	metamorphic	non-metallic	< 3.5	dull black	too hard	non-foliated, variable grain size	quartz, mica, pyroxene	contact aureoles
36	slate	metamorphic	non-metallic	< 2.5	dull gray	dark gray	foliated and fine-grained	compression of mud	mountain ranges
37	schist	metamorphic	non-metallic	5.0	gray	gray	foliated, medium to coarse-grained	gold sparkles	mountain ranges
38	marble	metamorphic	non-metallic	4.5 - 5.5	milky white	white	non-foliated, variable grain size	calcite, calcium carbonate	contact aureoles
39	gneiss	metamorphic	non-metallic	> 5.5	grayish white	light gray	foliated and fine-grained	migmatites, granites	mountain ranges
40	quartzite	metamorphic	non-metallic	4.5 - 5.5	dark rose	too hard	non-foliated, variable grain size	quartz grains	contact aureoles