

Rock Name	Class	Clast/grain size	Composition note	Angularity	Sphericity	Sorting	Cement options
Conglomerate	Clastic	Over 2 mm	varied	Low	High	Low	CaCO <sub>3</sub> , SiO <sub>2</sub>
Breccia	Clastic	Over 2 mm	varied	High	Low	Low	CaCO <sub>3</sub> , SiO <sub>2</sub>
Sandstone (arenite)	Clastic	0.0625 to 2 mm	15% or less silt/clay	varied	varied	Varies	CaCO <sub>3</sub> , SiO <sub>2</sub>
Arkose (feldspar sandstone)	Clastic	0.0625 to 2 mm	25% or more feldspar	varied	varied	Varies	CaCO <sub>3</sub> , SiO <sub>2</sub>
Graywacke	Clastic	0.0625 to 2 mm	15% or more silt/clay	varied	varied	Low	CaCO <sub>3</sub> , SiO <sub>2</sub>
Siltstone	Clastic	0.004 to 0.0625 mm	50% or more	varied	varied	Varies	CaCO <sub>3</sub> , SiO <sub>2</sub>
Mudstone (shale)	Clastic	0.0625 mm or smaller	varied	varied	varied	Low-medium	CaCO <sub>3</sub> , SiO <sub>2</sub>
Fossiliferous Sandstone	Clastic & Biochemical	varied	Contains fossils	varied	varied	Varies	CaCO <sub>3</sub> , SiO <sub>2</sub>
Oil Shale	Clastic & Biochemical	0.0625 mm or smaller	Mudstone with oil	varied	varied	-	C, CaCO <sub>3</sub> , SiO <sub>2</sub>
Limestone (Chalk)	Biochemical	varied	microfossils	varied	varied	high	CaCO <sub>3</sub>
Limestone (microcrystalline, micrite)	Biochemical	microcrystalline	Calcite	varied	varied	high	CaCO <sub>3</sub>
Limestone (Fossiliferous)	Biochemical	varied	Contains fossils	varied	varied	varies	CaCO <sub>3</sub>
Limestone (Coquina)	Biochemical	varied	shells	varied	varied	varies	CaCO <sub>3</sub>
Chert	Biochemical	microcrystalline	biogenic particles	varied	varied	high	SiO <sub>2</sub>
Diatomite	Biochemical	very small (micron sized)	Diatoms	varied	varied	high	SiO <sub>2</sub>
Peat	Organic	na	Identifiable organic material	varied	varied	-	C
Lignite	Organic	na	low grade coal	varied	varied	-	C
Bituminous Coal	Organic	na	medium grade coal	varied	varied	-	C
Chert	Chemical	microcrystalline	not from biochemical origin	varied	varied	high	SiO <sub>2</sub>
oolitic limestone	Chemical	varied	Ooliths	Low	high	varies	CaCO <sub>3</sub>
Travertine	Chemical	microcrystalline	Calcite	varied	varied	-	CaCO <sub>3</sub>
Rock Salt	Chemical	varied	Halite	varied	varied	-	NaCl