

Primary class by composition	Major subdivisions by grain size	Unconsolidated		Lithified equivalent
Siliciclastic	>63 μm	Sand		Sandstone
	63–4 μm	Silt		Siltstone
	<63 μm	Clayey silt	Mud	Mudstone
		Silty clay		
	<4 μm	Clay		Claystone
Pelagic	Biosiliceous	Radiolarian ooze		Chert
		Diatom ooze		Diatomite
	Biocalcareous	Foraminiferal ooze		Foram. chalk
		Nannofossil ooze		Nanno. chalk
Pyroclastic	>64 mm	Blocks, bombs		Breccia
	2–64 mm	Lapilli		Lapillistone
	<2 mm	Ash		Tuff
Volcaniclastic	>63 μm	Volcaniclastic sand		Volc. sandstone
	63–4 μm	Volcaniclastic silt		Volc. siltstone
	<63 μm	Volcaniclastic mud		Volc. mudstone
	<4 μm	Volcaniclastic clay		Volc. claystone