

Types of Rocks		Principle Mineral	Diagnostic Properties	Rock Name
Chemical	Biogenic	Quartz	Scratches glass	Chert
		Carbon	Leaves black film on hands (looks like coal)	Coal
		Calcite/ Dolomite/ Aragonite	Contains shells and other fossils (Reacts with acid)	Fossiliferous Limestone
		Calcite/ Dolomite/ Aragonite	Contains loosely cemented shells with little matrix (Reacts with acid)	Coquina
		Calcite/ Dolomite/ Aragonite	Able to write on a chalkboard (Reacts with acid)	Chalk
		Calcite/ Dolomite/ Aragonite	Reacts with acid but has no visible crystals	Micrite

Types of Rocks		Principle Mineral	Diagnostic Properties	Rock Name
Chemical	Precipitate	Calcite/ Dolomite/ Aragonite	Contains large crystals of calcite (Reacts with acid)	Crystalline Limestone
		Calcite/ Dolomite/ Aragonite	Is made up of tiny spheres (Reacts with acid)	Oolitic Limestone
		Calcite/ Dolomite/ Aragonite	Often layered with no crystals (Reacts with acid)	Travertine
		Gypsum	Easily scratched by a fingernail	Rock Gypsum
		Halite	Tastes salty	Rock Salt