



Minerals	Distinguishing characteristics
Dolomite - $\text{CaMg}(\text{CO}_3)_2$	Dust reacts with HCl when scratched. 3.5-4 on Mohs. Color ranges from white to gray, tan, light brown.
Magnetite - Fe_3O_4	Metallic luster, magnetic, often well-defined octahedral crystals. 5.5-6.5 on Mohs.
Calcite - CaCO_3	Strongly reacts to HCl, three directions of rhombohedral cleavage. Produced from contact metamorphism of dolomite.
Tremolite - $\text{Ca}_2\text{Mg}_5(\text{Si}_2\text{O}_8)(\text{OH})_2$	Long, fibrous or prismatic crystals, often radiating outwards. 60/120 cleavage, typically white, light gray. 5-6 on Mohs. Produced from contact metamorphism of dolomite.
Talc - $\text{Mg}_3(\text{Si}_2\text{O}_5)_2(\text{OH})_2$	Very soft, flaky. Produced from contact metamorphism of dolomite.
Igneous Rocks	Constituent minerals
Diabase	Plagioclase ($\approx 60\%$), Clinopyroxene ($\approx 20-30\%$), Olivine ($\approx 5-10\%$), Magnetite and Ilmenite ($< 5\%$)
text	



Figure 1: caption