Common rocks and their mineralogy	
Igneous rocks	**Minerals**
Mafic (basalt)	Olivine, plagioclase, clinopyroxene, orthopyroxene, magnetite/chromite; zeolites or calcite as alteration or infilling of vesicles
Mafic (gabbro)	Olivine, plagioclase, clinopyroxene, orthopyroxene, magnetite and/or ilmenite
Intermediate (andesite)	Plagioclase; hornblende; clinopyroxene or orthopyroxene; magnetite and/or ilmenite
Intermediate (diorite)	Plagioclase; hornblende; more rarely clinopyroxene or orthopyroxene; biotite; magnetite and/or ilmenite; apatite
Felsic (rhyolite)	Quartz, K-feldspar (sanidine), plagioclase; often biotite; zircon
Felsic (granite)	Quartz, K-feldspar (orthoclase or microcline), plagioclase; often hornblende and/or biotite; either titanite or ilmenite and/or magnetite; apatite, zircon, tourmaline, muscovite (sometimes), epidote (sometimes), garnet (rarely)
Sedimentary rocks	**Minerals**
Clastic rocks	Quartz, plagioclase, K-feldspar as clasts; quartz, calcite, or hematite as cements; rock fragments (diverse types); chlorite, clays, muscovite (rarely), zircon, tourmaline, apatite
Carbonates	Calcite and/or dolomite, quartz, clays
Chert	Quartz (super fine-grained)
Metamorphic rocks	**Minerals**
Low-grade schist	Quartz, plagioclase, muscovite, chlorite, ilmenite or magnetite, zircon, apatite, tourmaline
Medium-grade schist	Quartz, plagioclase, muscovite, biotite, garnet, staurolite, kyanite (higher pressure), andalusite (lower pressure), cordierite (lower pressure), zircon, apatite, tourmaline, monazite, ilmenite or magnetite or rutile (rarely), chlorite (retrograde)
High-grade schist	Quartz, plagioclase, K-feldspar (orthoclase or microcline), biotite, garnet, sillimanite, cordierite, spinel (rarely), zircon, apatite, tourmaline, monazite, chlorite (retrograde)
Greenschist	Quartz (often), plagioclase (albite), chlorite, epidote, actinolite (sometimes), ilmenite or magnetite or titanite
Amphibolite	Plagioclase, hornblende, quartz, garnet, biotite, chlorite (sometimes), calcite (sometimes), clinopyroxene (rarely), ilmenite or magnetite or titanite or (rarely) rutile.
Granulite	Plagioclase, clinopyroxene, orthopyroxene, hornblende, biotite, ilmenite or magnetite
Blueschist	Plagioclase (albite), quartz, glaucophane, epidote OR lawsonite, muscovite (phengite), rutile and/or titanite, chlorite, garnet (sometimes)
Eclogite	Garnet, clinopyroxene (sodic), glaucophane (rarely), quartz, rutile, titanite (retrograde), muscovite (phengite), kyanite (rare), retrograde amphiboles (common – actinolite, glaucophane, or a mixed composition)
Low-grade calc-silicate	Calcite, dolomite, quartz, plagioclase, K-feldspar, biotite (pale), talc, tremolite, clinopyroxene, epidote, garnet (sometimes), vesuvianite (sometimes)
High-grade calc-silicate	Calcite, dolomite, quartz, plagioclase, K-feldspar, biotite, epidote, olivine (not with quartz), wollastonite, scapolite, brucite (after periclase), garnet (sometimes)