

Séries básica e ultrabásica

TABLE 22-1 Characteristic mineral associations in metabasites and ultramafic rocks at various grades

Grade	Mafic compositions	High-Mg,K,Al compositions	Ultramafic compositions
Subgreenschist	Chlorite-albite-calcite-prehnite-ilmenite± actinolite±pumpellyite± epidote±Ca-zeolites	Chlorite-albite-ilmenite/rutile± phengite± calcite	Serpentine-chlorite-brucite-magnesite
Lower greenschist	Chlorite-albite-calcite-actinolite-ilmenite± epidote±stilpnomelane± dolomite	Chlorite-albite-ilmenite/rutile± muscovite/phengite	Serpentine-chlorite-talc-magnesite±tremolite
Upper greenschist	Chlorite-albite-calcite-actinolite-ilmenite± epidote±biotite	Chlorite-albite-ilmenite/rutile± muscovite±biotite	Chlorite-olivine-talc-tremolite-magnetite± anthophyllite
Epidote-amphibolite	Actinolite/hornblende-epidote-plagioclase-titanite± calcite±biotite	Chlorite-plagioclase-biotite-ilmenite/rutile± garnet± kyanite±hornblende	Chlorite-anthophyllite-olivine-tremolite-magnetite
Lower amphibolite	Hornblende-plagioclase-titanite±garnet±epidote± cummingtonite±biotite	Anthophyllite-plagioclase-biotite-ilmenite/rutile± garnet±staurolite± kyanite	Chlorite-olivine-anthophyllite-tremolite-magnetite
Middle amphibolite	Hornblende-plagioclase-titanite±garnet± cummingtonite±biotite	Anthophyllite/gedrite-plagioclase-biotite-ilmenite/rutile±garnet± kyanite±staurolite	Olivine-enstatite-tremolite-magnetite±anthophyllite± chlorite
Upper amphibolite	Hornblende-plagioclase-titanite±diopside± garnet± orthopyroxene	Anthophyllite/gedrite-plagioclase-biotite-ilmenite/rutile±sillimanite± cordierite± orthopyroxene± K-feldspar±garnet	Olivine-enstatite-hornblende-diopside± (Mg)chlorite±(Al)spinel
Granulite	Diopside-orthopyroxene-plagioclase-titanite± hornblende±garnet	Orthopyroxene-plagioclase-ilmenite/rutile-garnet± cordierite±gedrite± K-feldspar	Olivine-orthopyroxene-diopside-(Al)spinel-magnetite

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