

Phaneritic Rocks

Granite: felsic variety, mostly light colored minerals, rich in quartz, feldspar (mainly potassium feldspar), some dark minerals such as biotite and hornblende

Diorite: intermediate variety, 50/50 light and dark minerals, mainly plagioclase and hornblende, may be some pyroxene

Gabbro: mafic variety, mostly dark minerals, predominately pyroxene and dark plagioclase

Peridotite/Dunite: ultramafic variety, mostly olivine and pyroxene, never contains quartz, Dunite contains solely olivine

Aphanitic Rocks

Rhyolite/Porphyritic Rhyolite: felsic variety, light in color (normally pinkish), porphyritic rhyolite has a porphyritic texture

Andesite/Porphyritic Andesite: intermediate variety, medium colored (usually grayish), porphyritic andesite has a porphyritic texture

Basalt/Porphyritic Basalt: mafic variety, dark in color, dark brown to black in color, porphyritic basalt has a porphyritic texture

Vesicular Basalt: same composition as basalt but contains vesicles

Glassy, Vesicular, or Fragmental Textures

Pumice: light in color, abundant vesicles, normally ~80% air, very light

Volcanic tuff: light in color, no vesicles, very fine ash, light in weight

Volcanic breccia: light to dark in color, angular fragments of volcanic materials, often in a background of light colored ash, may include glassy fragments

Scoria: dark in color, abundant large vesicles, thick walled openings

Obsidian: glassy texture, dark in color, conchoidal fracture, composition of granite, translucent on thin edge