

Igneous Rocks

Pegmatitic
or
Phaneritic

Adapted from Richard M.
Busch Editor; AGI/NAGT
Laboratory Manual In Physical
Geology

Mostly Feldspar Minerals

Mostly K - spar

Quartz

Granite

No quartz

Syenite

Mostly Plagioclase

Diorite

Mostly Mafic Minerals

45-85% Mafic

Gabbro

85-100% Mafic

Peridotite

Aphanitic
and/or
Vesicular

Felsic; pink, white, or light brown

Rhyolite

Intermediate; green to gray

Andesite

Mafic; dark gray to black

Basalt

Mafic; lots of vesicles

Scoria

Intermediate or Felsic; lots of vesicles

Pumice

Glassy

Obsidian

Pyroclastic

Fragments < 2mm

Volcanic Tuff

Fragments > 2 mm

Volcanic Breccia