

| | |
|--|---|
| <p style="text-align: center;">Gabbro (Ig.)</p> <ul style="list-style-type: none"> - coarse grained - intrusive - dark (black) - mafic | <p style="text-align: center;">Obsidian (Ig.)</p> <ul style="list-style-type: none"> - volcanic glass - black/brown |
| <p style="text-align: center;">Pumice (Ig.)</p> <ul style="list-style-type: none"> - frothy - felsic - usually, light color - light weight | <p style="text-align: center;">Andesite (Ig.)</p> <ul style="list-style-type: none"> - intermediate - fine grained - may be gray - might have visible hornblende (rod shaped) |
| <p style="text-align: center;">Rhyolite (Ig.)</p> <ul style="list-style-type: none"> - felsic - fine grained - may be pinkish | <p style="text-align: center;">Scoria (Ig.)</p> <ul style="list-style-type: none"> - frothy - mafic - dark color - red and black |
| <p style="text-align: center;">Diorite (Ig.)</p> <ul style="list-style-type: none"> - coarse grained - intrusive - salt & pepper | <p style="text-align: center;">Tuff (Ig.)</p> <ul style="list-style-type: none"> - consolidated volcanic rock - mineral composition from mafic to felsic |

| | |
|---|---|
| <p style="text-align: center;">Granite (Ig.)</p> <ul style="list-style-type: none"> - felsic - must have f-spar and quartz - no layers | <p style="text-align: center;">Basalt (Ig.)</p> <ul style="list-style-type: none"> - fine grained - mafic - dark (blackish) |
| <p style="text-align: center;">Gypsum (Sed.)</p> <ul style="list-style-type: none"> - soft - white to pink in color | <p style="text-align: center;">Halite (Sed.)</p> <ul style="list-style-type: none"> - rock salt |
| <p style="text-align: center;">Chert (Sed.)</p> <ul style="list-style-type: none"> - made of quartz - fine grained - grayish, red, white(onyx) - conchoidal fracturing | <p style="text-align: center;">Bituminous Coal (Sed.)</p> <ul style="list-style-type: none"> - black - dirty to handle - brittle - alternating layers of shiny and dull layers |
| <p style="text-align: center;">Shale (Sed.)</p> <ul style="list-style-type: none"> - very fine grained - lots of clay and silt compacted together - may be fossils | <p style="text-align: center;">Dolostone (Sed.)</p> <ul style="list-style-type: none"> - magnesium bearing limestone - fizzes in acid - may be fossils |

| | |
|---|--|
| <p style="text-align: center;">Coquina (Sed.)</p> <ul style="list-style-type: none"> - seashells cemented together - fizzes in acid | <p style="text-align: center;">Limestone (Sed.)</p> <ul style="list-style-type: none"> - mostly calcite - maybe fossils - fizzes in acid |
| <p style="text-align: center;">Conglomerate (Sed.)</p> <ul style="list-style-type: none"> - rounded (gravel) clasts glued together | <p style="text-align: center;">Sandstone (Sed.)</p> <ul style="list-style-type: none"> - usually lots of quartz - various types & color |
| <p style="text-align: center;">Gneiss (Meta.)</p> <ul style="list-style-type: none"> - schist to gneiss - irregular banding - visible grains of light and dark | <p style="text-align: center;">Slate (Meta.)</p> <ul style="list-style-type: none"> - low grade - dark(black,green,red) - shale to slate |
| <p style="text-align: center;">Phyllite (Meta.)</p> <ul style="list-style-type: none"> - slate to phyllite - looks like slightly shiny slate - maybe slightly deformed (wavy) | <p style="text-align: center;">Quartzite (Meta.)</p> <ul style="list-style-type: none"> - sandstone that has recrystallized into interlocking grains - hard |

| | |
|---|---|
| <p style="text-align: center;">Schist (Meta.)</p> <ul style="list-style-type: none"> - vary according to the main minerals present - platy minerals have grown parallel to each other - large variety of minerals - (muscovite, biotite, garnet, hornblende) | <p style="text-align: center;">Anthracite (Meta.)</p> <ul style="list-style-type: none"> - metamorphic coal - glassy luster - don't mistake it for obsidian |
| <p style="text-align: center;">Marble (Meta.)</p> <ul style="list-style-type: none"> - coarse grains - derived from limestone and dolomite - interlocking calcite crystals | <p style="text-align: center;">Soapstone (Meta.)</p> <ul style="list-style-type: none"> - hardened talc - feels greasy |