chalcedony, trituration, mineralogy, sedimentary, mineral, rock, igneous, metamorphic, crystal, quartz, agate, jasper, flint, obsidian, pumice, granite, basalt, gneiss, schist, marble, slate, quartzite, sandstone, limestone, shale, conglomerate, breccia, tuff, ore, vein, lode, placer, gangue, matrix, cleavage, fracture, luster, streak, hardness, specific gravity, refractive index, birefringence, pleochroism, fluorescence, phosphorescence, piezoelectricity, pyroelectricity, thermoluminescence, triboluminescence, tenacity, habit, twinning, inclusion, zoning, exsolution, polymorphism, isomorphism, pseudomorphism, epitaxy, amorphous, crystalline, cryptocrystalline, microcrystalline, fibrous, granular, columnar, lamellar, massive, botryoidal, reniform, stalactitic, oolitic, clastic, detrital, clay, silt, sand, gravel, cobble, boulder, loess, till, moraine, alluvium, colluvium, talus, scree, caliche, laterite, bauxite, kaolin, feldspar, mica, quartz, calcite, dolomite, gypsum, halite, sylvite, fluorite, barite, hematite, magnetite, ilmenite, chromite, pyrite, chalcopyrite, galena, sphalerite, cinnabar, native, alloy, amalgam, meteorite, tektite, impactite, shocked, diamond, graphite, corundum, ruby, sapphire, emerald, beryl, aquamarine, morganite, heliodor, tourmaline, schorl, dravite, elbaite, olivine, peridot, garnet, pyrope, almandine, spessartine, grossular, andradite, uvarovite, zircon, topaz, kyanite, sillimanite, andalusite, staurolite, epidote, zoisite, tanzanite, hornblende, actinolite, tremolite, asbestos, talc, soapstone, serpentine, chlorite, vermiculite, prehnite, pumpellyite, lawsonite, glaucophane, jadeite, nephrite, spodumene, kunzite, hiddenite, petalite, lepidolite, amblygonite, cassiterite, wolframite, scheelite, molybdenite, stibnite, realgar, orpiment, arsenopyrite, pyrrhotite, marcasite, millerite, pentlandite, bornite, chalcocite, covellite, tetrahedrite, tennantite, enargite, proustite, pyrargyrite, argentite, acanthite, native copper, native silver, native gold, native platinum, native sulfur, native arsenic, native bismuth, native antimony, native mercury, native iron, native nickel, native tin, native lead, native zinc, native cadmium, native tungsten, native molybdenum, native rhenium, native osmium, native iridium, native ruthenium, native rhodium, native palladium, native platinum, native gold, native silver, native copper