

## LIST OF COMMON MINERALS IN ORDER OF DENSITY

Density	Mineral Name	Density	Mineral Name	Density	Mineral Name
0.4-0.6 (2.2)	Diatomite	2.4-2.45	Lazurite	2.8-3.0	Datolite, Lepidolite
1.6	Carnallite	2.4-2.5	Hauynite	2.8-3.2	Biotite
1.7	Borax	2.4-2.6	Variscite	2.83	Langbeinite
1.75	Epsomite, Potash	2.42	Colemanite	2.85	Dolomite, Paragonite
	Alum	2.45	Cancrinite,	2.85-3.2	Anthophyllite
1.85-1.89	Allophane		Harmotome	2.85-3.45	Amphibole
1.90	Melanterite	2.45-2.50	Leucite	2.86	Phlogopite
1.9-2.2	Opal	2.5	Bentonite, Hectorite,	2.89-2.98	Anhydrite
1.95	Kernite		Montmorillonite,	2.9	Pollucite
1.96	Ulexite		Nontronite, Saponite	2.9-3.0	Boracite
1.98	Goslarite	2.54-2.57	Microcline	2.9-3.1	Melilite
1.99	Sylvite, Gaylussite	2.55-2.65	Nepheline	2.9-4.3	Asbolite
2.0	Sepiolite	2.57	Orthoclase	2.91-3.26	Jarosite
2.0-2.2	Halloysite	2.58	Anorthoclase	2.95	Aragonite, Erythrite
2.04-2.17	Gmelinite	2.58-2.68	Vivianite	2.95-3.0	Ankerite, Cryolite
2-2.4	Chrysocola	2.6	Nacrite	2.97	Roscoelite
2.05-2.09	Sulphur	2.6-2.63	Anauxite, Dickite,	2.97-3.0	Phenacite
2.05-2.15	Chabazite		Beidellite	2.97-3.02	Danburite
2.09-2.14	Nitre	2.6-2.64	Chalcedony	3.0	Annabergite, Edenite,
2.1	Kainite	2.6-2.65	Kaolinite		Ferrimolybdate,
2.1-2.2	Stilbite	2.6-2.66	Cordierite		Zinnwaldite
2.12-2.30	Chalcanthite	2.6-2.8	Turquoise, Alunite	3.0-3.1	Amblygonite,
2.13	Trona	2.6-2.9	Penninite, Chlorite,		Lazulite,
2.15-2.30	Sodalite		Clinochlore		Margarite
2.16	Halite	2.61	Kaliophilite	3.01-3.06	Boehmite
2.16-2.4	Scolecite	2.62	Albite	3.0-3.2	Actinolite,
2.18-2.20	Heulandite	2.62-2.76	Plagioclase		Glaucophanes,
2.2	Lechatelierite,	2.65	Quartz, Flint,		Magnesite
	Phillipsite,		Oligoclase, Chert	3.0-3.25	Tourmaline
	Serpentine	2.65-2.74	Scapolite	3.0-3.3	Tremolite
2.2-2.8	Garnierite	2.67	Eucryptite	3-3.5	Pargasite
2.25	Natrolite	2.68	Thenardite	3.09	Lawsonite
2.26	Tridymite	2.69	Andesine	3.1	Euclase
2.27	Analcime	2.7	Marialite, Meionite	3.1-3.2	Autunite,
2.28	Laumontite	2.7-2.8	Pectolite, Talc		Chondrodite,
2.29	Soda Nitre	2.7-2.85	Glauberite		Clinohumite, Humite,
2.30	Cristobalite	2.71	Labradorite		Norbergite
2.3	Graphite,	2.72	Calcite	3.1-3.3	Scorodite, Bronzite
	Glauconite,	2.74	Bytownite	3.1-3.6	Cummingtonite
	Thomsonite	2.75-2.80	Beryl	3.15-3.20	Apatite, Spodumene
2.3-2.4	Gibbsite,	2.76	Anorthite	3.16-3.20	Andalusite
	Apophyllite	2.76-3.1	Muscovite	3.16-3.36	Helvite
2.32	Gypsum	2.78	Polyhalite	3.18	Fluorite
2.33	Wavellite	2.8	Hyalophane	3.19	Clinoenstatite
2.39	Brucite	2.8-2.9	Pyrophyllite,	3.2	Hornblende,
2.4	Petalite,		Wollastonite		Monticellite,
	Vermiculite	2.8-2.95	Prehnite		Forsterite, Hastingsite

Density	Mineral Name	Density	Mineral Name	Density	Mineral Name
3.2-3.3	Crocidolite, Diopside	3.75	Andradite	4.55	Gahnite
3.2-3.4	Augite, Pigeonite	3.75-3.77	Atacamite	4.57	Stillwellite
3.2-3.5	Enstatite	3.77	Azurite	4.58-4.65	Pyrrhotite
3.2-3.7	Aurichalcite	3.81-3.90	Uranophane	4.6-4.76	Covellite
3.22	Torbernite	3.83-3.88	Siderite	4.6-5.0	Pentlandite
3.23	Sillimanite, Mullite	3.84	Rhodolite	4.6-5.1	Tennantite, Tetrahedrite
3.25-3.37	Clinozoisite	3.90	Brochantite	4.62-4.73	Molybdenite
3.26-3.36	Dumortierite	3.9	Anterlite	4.66	Bravoite
3.27-3.35	Axinite	3.9	Anatase	4.68	Zircon
3.27-4.37	Olivine	3.9-4.0	Marmatite	4.7	Ilmenite
3.3	Diopase, Zoisite	3.9-4.03	Malachite	4.7-5.9	Polycrase
3.33-3.5	Jadeite	3.9-4.1	Brookite, Sphalerite	4.75	Pyrolusite
3.35	Scorzalite	3.9-4.2	Willemite	4.8	Braunite, Linnaeite, Siegenite, Violarite
3.35-3.45	Diaspore, Epidote, Idocrase	3.95-3.97	Gummite Celestite	4.84	Hausmannite
3.37	Celsian	4.0	Alabandite, Ilvaite,	4.89	Marcasite
3.4	Piedmontite		Libethenite, Wurtzite	4.9	Greenockite
3.4-3.5	Hemimorphite,	4.0-4.5	Gadolinite	4.9-5.2	Bastnaesite
	Hypersthene	4-5	Cervantite	5.0	Polianite
3.40-3.55	Acmite, Aegerine,	4.02	Corundum	5.0-5.3	Monazite
	Sphene	4.03	Perovskite, Galaxite	5.0-5.4	Manganosite
3.4-3.6	Topaz	4.03-4.18	Cubanite	5.0-5.9	Euxenite
3.42-3.56	Triphylite	4.09	Lepidocrocite	5.02	Pyrite
3.44	Riebeckite	4.1	Carnotite, Tephroite	5.06-5.08	Bornite
3.45	Arfvedsonite, Uvarovite	4.1-4.2	Sternbergite	5.1	Jacobsite
3.45-3.60	Rhodochrosite	4.1-4.3	Chalcopyrite	5.15	Franklinite
3.48	Realgar	4.1-6.2	Samarskite	5.18	Magnetite
3.49	Orpiment	4.14	Fayalite	5.2-5.3	Miargyrite
3.5	Chloritoid, Diamond, Ottrelite, Lithiophilite	4.18 4.18-4.25	Spessartite Rutile	5.2-6.7 5.26	Columbite Hematite
3.51	Pyrope	4.2	Magnesiochromite	5.3	Thorite, Linarite,
3.5-3.8	Iddingsite	4.2-4.5	Pyrochlore		Zinkenite
3.5-4.2	Allanite	4.2-4.6	Turgite	5.3-5.7	Millerite
3.5-4.3	Garnet	4.2-5.8	Fergusonite	5.5-6	Cerargyrite, Jamesonite
3.53	Grossularite	4.23	Powellite	5.5-5.8	Chalcocite
3.54	Sklodowskite	4.25	Almandite	5.55	Proustite
3.55	Hedenbergite	4.3	Manganite, Witherite	5.56	Plagionite
3.56-3.66	Kyanite	4.3-4.6	Chromite	5.6	Embolite, Digenite
3.58-3.70	Rhodonite	4.35-4.40	Smithsonite	5.68	Zincite
3.6	Clinoferrosilite, Ferrosilite	4.37 4.38	Goethite Clinoclase	5.7	Arsenic, Iodobromite, Iodyrite
3.6-3.8	Hydrozincite	4.39	Hercynite	5.8-5.9	Bournonite
3.6-4.0	Limonite, Spinel	4.4	Stannite	5.8-6.4	Tenorite
3.65-3.75	Staurolite	4.4-5.1	Xenotime	5.85	Pyrrargyrite
3.65-3.8	Chrysoberyl	4.43-4.45	Enargite	5.9	Gersdorffite, Larsenite
3.7	Pyroxene, Strontianite	4.5	Barite, Magnesioferrite	5.9-6.1	Crocoite, Scheelite
3.7-4.3	Tyuyamunite	4.5-5.4	Brannerite	5.9-6.2	Arsenopyrite, Danaite
3.7-4.7	Psilomelane	4.52-4.62	Stibnite	6.0	Cuprite

Density	Mineral Name	Density	Mineral Name	Density	Mineral Name
6.0-6.2	Polybasite	7.0	Huebnerite	8.3-8.4	Stolzite
6.0-6.3	Phosgenite, Boulangerite	7.0-7.2	Mimetite	8.4	Hessite
6.0-6.5	Bromyrite	7.0-7.5	Wolframite	8.62	Krennerite
6.1-6.9	Smaltite, Skutterudite	7.1	Rammelsbergite	8.7-9.0	Petzite
6.1-7.7	Bismutite	7.2	Calomel	8.9	Copper
6.15	Pearceite	7.2-7.3	Acanthite	8.9-9.2	Minium
6.2-6.3	Stephanite, Stromeyerite	7.3	Argentite,	9-9.7	Uraninite
6.2-6.4	Anglesite		Manganotantalite,	9.35	Calaverite
6.2-8.0	Tantalite		Tin metal	9.7	Thorianite
6.3-6.5	Geocronite	7.4	Nagyagite	9.8	Bismuth
6.33	Cobaltite, Microlite	7.5-7.5	Loellingite	10.5	Silver, Sperrylite
6.36	Uranosphaerite,	7.4-7.6	Galena	11.9	Palladium
	Menaghinite	7.5	Ferberite	13.5-17.5	Electrum
6.5-7.1	Pyromorphite	7.7-8.1	Awaruite	13.6	Mercury
6.5-7.5	Wulfenite	7.78	Niccolite	14-19	Platinum
6.55	Cerussite	7.8-8.2	Nickel iron	15.0-19.3	Gold
6.7	Antimony	8.0	Bismite	19.3-21.1	Iridosmine
6.7-7.1	Vanadinite	8.0-8.2	Sylvanite	22.7	Iridium
6.75-6.81	Bismuthinite	8.10	Cinnabar		
6.8-7.1	Cassiterite	8.16	Altaite		