
Table of Contents

A	
Al (Aluminum)	1
AlSb (Aluminium Antimonide)	10
ADP (Ammonium Dihydrogen Phosphate)	16
Sb (Antimony)	21
Arsenic Selenium Glass	26
As (33%) + S (30%) + Br (37%) (Arsenic–Sulfur–Bromine Glass)	28
As ₂ Se ₃ (Arsenic Tri-Selenide)	30
As ₂ S ₃ (Arsenic Tri-Sulfide Glass)	33
B	
Ba (Barium)	39
BaF ₂ (Barium Fluoride)	42
BaTiO ₃ (Barium Titanate)	47
Be (Beryllium)	50
BeO (Beryllium Oxide)	54
Bi (Bismuth)	56
B (Boron)	61
C	
Cd (Cadmium)	65
CdSe (Cadmium Selenide)	70
CdS (Cadmium Sulfide)	75
CdTe (Cadmium Telluride)	82
CaCO ₃ (Calcite)	89
CaF ₂ (Calcium Fluoride)	96
CaWO ₄ (Calcium Tungstate)	105
CsBr (Cesium Bromide)	108
CsI (Cesium Iodide)	113
Cr (Chromium)	118
Cu (Copper)	122
CuCl (Cuprous Chloride)	128
D	
Diamond	135
G	
Ga (Gallium)	139
GaSb (Gallium Antimonide)	142
GaAs (Gallium Arsenide)	149
GaP (Gallium Phosphide)	158
Ge (Germanium)	165
Ge + Se + Te (Germanium–Selenium–Tellurium Glass)	180
Glass	182
Au (Gold)	191

I
In (Indium)199
InSb (Indium Antimonide)202
InAs (Indium Arsenide)212
InP (Indium Phosphide)218
Ir (Iridium)224
Fe (Iron)228

L
LaF₃ (Lanthanum Fluoride)233
PbF₂ (Lead Fluoride)236
PbSe (Lead Selenide)237
PbS (Lead Sulfide)243
PbTe (Lead Telluride)251
LiF (Lithium Fluoride)257
Lucite266

M
Mg (Magnesium)269
MgF₂ (Magnesium Fluoride)275
Mg₂Ge (Magnesium Germanide)282
MgO (Magnesium Oxide)288
Mg₂Si (Magnesium Silicide)295
Mg₂Sn (Magnesium Stannide)300
Hg (Mercury)305
Mo (Molybdenum)310

P
Paraffin315
Pt (Platinum)316
Polyethylene320
K (Potassium)323
KBr (Potassium Bromide)327
KCl (Potassium Chloride)334
KDP (Potassium Dihydrogen Phosphate)342
KI (Potassium Iodide)346
KTaO₃ (Potassium Tantalate)352

Q
SiO₂ (Crystal Quartz)355
SiO₂ (Fused Quartz)367

R
Rh (Rhodium)379
Al₂O₃ + Cr₂O₃ (Ruby)381

S
Al₂O₃ (Sapphire)383
Se (Selenium)391

Si (Silicon)399
SiC (Silicon Carbide)409
Ag (Silver)414
AgCl (Silver Chloride)420
Na (Sodium)427
NaCl (Sodium Chloride)430
NaF (Sodium Fluoride)442
NaI (Sodium Iodide)447
NaNO₃ (Sodium Nitrate)450
MgO·3.5Al₂O₃ (Spinel)452
SrF₂ (Strontium Fluoride)454
SrMoO₄ (Strontium Molybdate)457
SrTiO₃ (Strontium Titanate)459

T
Teflon465
Te (Tellurium)466
Terrestrial Atmosphere (Air)472
Tl (Thallium)482
TlBr (Thallium Bromide)485
KRS-6 (Thallium Bromide–Chloride)488
KRS-5 (Thallium Bromide–Iodide)491
TlCl (Thallium Chloride)496
Sn (Tin)499
Ti (Titanium)502
TiO₂ (Titanium Dioxide)504
W (Tungsten [Wolfram])510

Z
Zn (Zinc)517
ZnSe (Zinc Selenide)521
ZnS (Zinc Sulfide)527
ZnTe (Zinc Telluride)535

Index543