

12.108 Lab 8: Native Elements, Oxides, Sulfides

Native Elements

Mineral:

Compostion:

Streak:

Luster:

Hardness:

Fracture:

Cleavage:

Density:

Crystal System:

Habit/Form:

Bonding:

Mineral:

Compostion:

Streak:

Luster:

Hardness:

Fracture:

Cleavage:

Density:

Crystal System:

Habit/Form:

Bonding:

Mineral:

Composition:

Streak:

Luster:

Hardness:

Fracture:

Cleavage:

Density:

Crystal System:

Habit/Form:

Bonding:

Sulfides

Pyrrhotite

Composition:

Color:

Habit:

Luster:

Cleavage:

G:

H:

Crystal System:

Occurrence

Diagnostic Features:

Galena

Composition:

Color:

Habit:

Luster:

Cleavage:

G:

H:

Crystal System:

Occurrence

Diagnostic Features:

Pyrite

Composition:

Color:

Habit:

Luster:

Cleavage:

G:

H:

Crystal System:

Occurrence

Diagnostic Features:

Molybdenite

Composition:

Color:

Habit:

Luster:

Cleavage:

G:

H:

Crystal System:

Occurrence

Diagnostic Features:

Sphalerite

Composition:

Color:

Habit:

Luster:

Cleavage:

G:

H:

Crystal System:

Occurrence

Diagnostic Features:

Oxides

Magnetite

Composition:

Color:

Habit:

Luster:

Cleavage:

G:

H:

Crystal System:

Occurrence

Diagnostic Features:

Hematite

Composition:

Color:

Habit:

Luster:

Cleavage:

G:

H:

Crystal System:

Occurrence

Diagnostic Features:

Corundum

Composition:

Color:

Habit:

Luster:

Cleavage:

G:

H:

Crystal System:

Occurrence

Diagnostic Features:

Goethite

Composition:

Color:

Habit:

Luster:

Cleavage:

G:

H:

Crystal System:

Occurrence

Diagnostic Features: