

# Chlorite

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## General Mineral Formula:

Mineral Chemical Class: Phyllosilicate

Specific Gravity: 2.6-3.3

Hardness: 2-2.5

Cleavage: 1,1 Perfect cleavage.

Luster: Vitreous, pearly, or dull

Streak: White

Characteristic Color(s): Light to dark green, grayish green, black

Crystal System: Monoclinic

Crystal Class: 2/m

Crystal Description (common forms, habit, etc.): Usually tabular and pseudohexagonal in shape but may also be prismatic. Thick flakes, flaky and scaly forms. Commonly in dense coatings of other minerals.

<sup>1</sup>sheet silicate. found in low-grade pelitic and mafic metamorphic rocks. Perfect Cleavage. Light to Dark Green.

**Environment (where you find the material:** metamorphic environments, especially in serpentine deposits. Also secondary mineral in volcanic basalt and hypothermal replacement deposits.

**Common Mineral Associations (in samples, also consult text,**  
**notes:** Calcite, Albite, Orthoclase

**Scientific Usage/Significance:** None

**Industrial or Social Use/Significance:** Construction stone. Also appears in clay and affects industries involving clay.

**Environmental Significance:** Common constituent in clay and impacts a variety of environments.