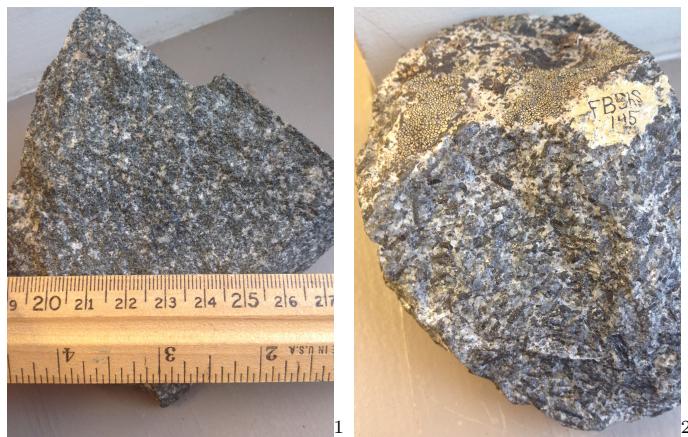


# Diopside and Augite

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**General Mineral Formula:**  $\text{CaMgSi}_2\text{O}_6$

**Mineral Chemical Class:** Inosilicates : Clinopyroxene

**Specific Gravity:** 3.3-3.6

**Hardness:** 5-6

**Cleavage:** 1,2 - prismatic at 87 and 93. Can show parting.

**Luster:** Vitreous, dull

**Streak:** White to Light Green

**Characteristic Color(s):** Light to Dark Green, Grey, Yellow, Purple

**Crystal System:** Monoclinic

**Crystal Class:**  $2/m$

**Crystal Description (common forms, habit, etc.):** Typically a single, short, prismatic crystal. Somewhat elongated with good terminations. May have v-shaped penetration twins

<sup>1</sup>Black stubby prisms in hand sample with 90 degree cleavage.

<sup>2</sup>D

**Environment (where you find the material):** Contact and regional metamorphic rock in hornfels and in skarn deposits of hypothermal metamorphic rock.

**Common Mineral Associations (in samples, also consult text, notes):** Grossular, vesuvianite, calicte

**Scientific Usage/Significance:** None

**Industrial or Social Use/Significance:** Faceted as a minor gemstone.

**Environmental Significance:** None