



Reviews in Mineralogy and Geochemistry

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Please indent the first line of each new paragraph. Single space the text throughout the document.

Title, headings, and subheadings. Please use the following style.

Pyroxenes	<i>Title</i>
James. A. Author and Carol C. Coauthor	<i>Author List</i>
<i>Department of Scientific Studies</i>	<i>Address</i>
<i>State University</i>	
<i>City, State 12345-6789, U.S.A.</i>	
ROCK-FORMING PYROXENES	<i>1st order</i>
Assemblages of natural pyroxenes [no period, no caps]	<i>2nd order</i>
<i>Subsolidus assemblages.</i> (Note that an indented, italicized, bold heading is the appropriate form for a third-order heading and that the text should follow after it exactly as this text does.)	<i>3rd order</i>

Tables

Please prepare tables in Microsoft Word or Excel. Prepare each table with its proper (and informative) heading in place (see example below). Do not use font sizes smaller than 11 point.

Table 23. The composition of hot chocolate.

[center heading, using 11-pt font]

Constituent	Weight %
Milk	xx
Cocoa	yy
Sugar	zz

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Equations

MathType or the Equation Editor in MS Word can be used to create your equations.

Use Equation (yy) and (Eqn. yy) when referring to equations in the text.

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$$\sum t_{1z} = 6.589[\{T_{1z} - O\} - 1.605] \quad (32)$$

Use the following style in both the equation and surrounding text:

NUMBERS, FUNCTIONS, and CONSTANTS are roman (not italic, not bold)

VARIABLES are *italicized*

VECTORS are **bold faced**

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Common abbreviations (note roman type)

cf. = compare
 e.g. = for example
 et al. = and others
 etc. = and other things
 i.e. = that is
 p. = page(s)
 vs. = versus

Length (*l*)

m = meter(s)
 cm = centimeter(s) (1 cm = 10^{-2} m)
 mm = millimeter(s) (1 mm = 10^{-3} m)
 μm = micrometer(s) (1 μm = 10^{-6} m) NOT micron
 or μ
 nm = nanometer(s) (1 nm = 10^{-9} m)
 \AA = angstrom(s) (1 \AA = 10^{-10} m)
 pm = picometer(s) (1 pm = 10^{-12} m)

Mass (*m*)

g = gram(s)
 kg = kilogram(s)
 mg = milligram(s)
 μg = microgram(s)

Volume (*V*)

L = liter(s)
 mL = milliliter(s)
 cm^3 = cubic centimeter(s)
 \AA^3 = cubic angstrom(s)

Pressure (*P*)

Pa = pascal(s)
 kPa = kilopascal(s)
 MPa = megapascal(s)
 GPa = gigapascal(s)
 bar or bars (no abbreviation)
 kbar = kilobar(s)
 atm = atmosphere(s)

Temperature (*T*)

K = Kelvin(s)
 $^{\circ}\text{C}$ = degrees Celsius

Energy:

J = joule(s)
 kJ = kilojoule(s) (preferred)
 cal = calorie(s)
 kcal = kilocalorie(s)

Density (D or ρ)

g/cm^3 = gram(s) per cubic centimeter

Concentration (use square brackets [] around chemical symbol, e.g., $[\text{Ca}^{-2}]$)

% = percent
 ‰ = per thousand
 wt% = weight percent
 mol% = mole percent
 vol% = volume percent
M = molar concentration (mol/L)
m = molal concentration (mol/kg)
 ppm = parts per million
 ppb = parts per billion

Time (*t*)

s = second(s)
 min = minute(s)
 h = hour(s)
 d = day(s)
 yr = year(s)
 Ma = million years
 Ga = billion years (ago or date)
 m.y. = million years
 b.y. = billion years (duration)

Frequency (*f* or η)

Hz = hertz
 kHz = kilohertz
 MHz = megahertz

Miller indices--note that letter symbols are italicized

but numeric values are not, e.g., $[hkl]$ but $[100]$
hkl = diffraction symbol
 (*hkl*) = face symbol
 {*hkl*} = form symbol
 [*hkl*] = edge or zone symbol

Unit-cell measurements:

a, *b*, *c* = edge lengths
 α , β , γ = angles
a, **b**, **c** = vectors--note boldface

Optical measurements:

dispersion (*r*, *v*),
 optic axial angle ($2V$, $2V_x$, $2V_y$);
 principal vibration directions (*E*, *O*; *X*, *Y*, *Z*);
 refractive indices (*n*; ϵ , ω ; α , β , γ)

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Article published only on WWW:

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Book:

Tossell JA, Vaughn DJ (1992) Theoretical Geochemistry: Application of Quantum Mechanics in the Earth and Mineral Sciences. Oxford University Press, New York

Article in Book:

Keil K (1969) Meteorite composition. *In*: Handbook of Geochemistry. Vol 1. Wedepohl KH (ed) Springer, Berlin, p 78-115

Edited Book:

Schulze DG, Stuicki JW, Bertsch PM (eds) (1999) Synchrotron X-ray Methods in Clay Science. The Clay Minerals Society, Boulder Colorado

Conference Proceedings or Abstract:

Rosso KM, Bylaska EJ, Rustad JR (1999) The energetics of cation exchange in muscovite mica. EOS Trans, Am Geophys Union 80:F1108

Dissertation/Thesis:

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