

(Thanks to everyone who has sent these in – we hope to fix them all in the second printing!)

I. DVD-ROM CHANGES:

Figure 9.1 caption: “SiO₆O₁₈...” should be “Si₆O₁₈...”

Figure 1.13: “uniaxial” should be “biaxial” and “clear or a blue” should be “clear, blue, or yellow”

Add multi-chain silicates to database

Add xenotime, carphiolite, and merwinite to database

Remove zoned albite crystal from photomicrographs of albite, and substitute something with twinning

Replace the text that reads “is a mixture,” with “is a plagioclase series feldspar with a molar ratio of” for these minerals in the database: oligoclase, andesine, labradorite, and bytownite

Correct the formulas for andesine, labradorite, and bytownite – and consider removing them from the database, treating them like oligoclase.

Substitute a more-typical photomicrograph for orthoclase.

Figure 6.16: the triple point should be located at 3.8 kbar and 501 °C. The slopes of the univariant curves are also off by a little bit. For the correct diagram, see Holdaway (1971) *American Journal of Science*, vol. 271, pp. 97-131.

Figures 12.48, 12.49, 12.50, 12.51, 12.52, and 12.53a: the lattice points here should be much smaller, and should not be shaded, so they are not easily confused with actual atoms.

Fig. 12.54b, caption: pyrope formula: should be Si₃ NOT Si₄

Fig. 13.10: This number should be 1, not -1. It is correct in the textbook.

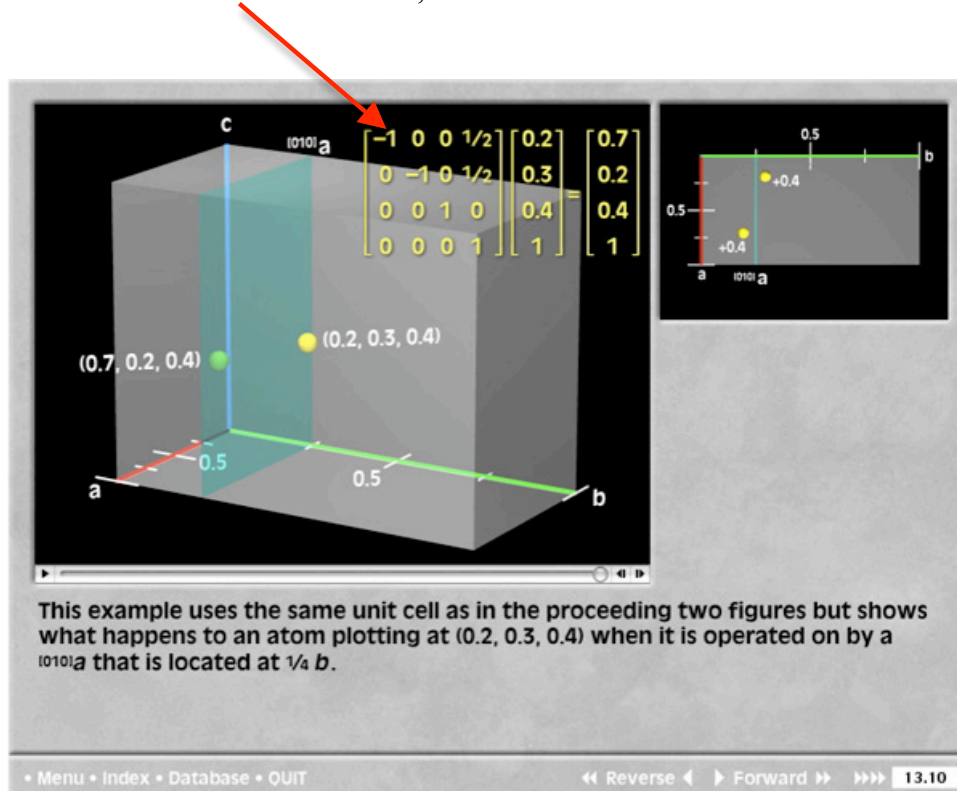
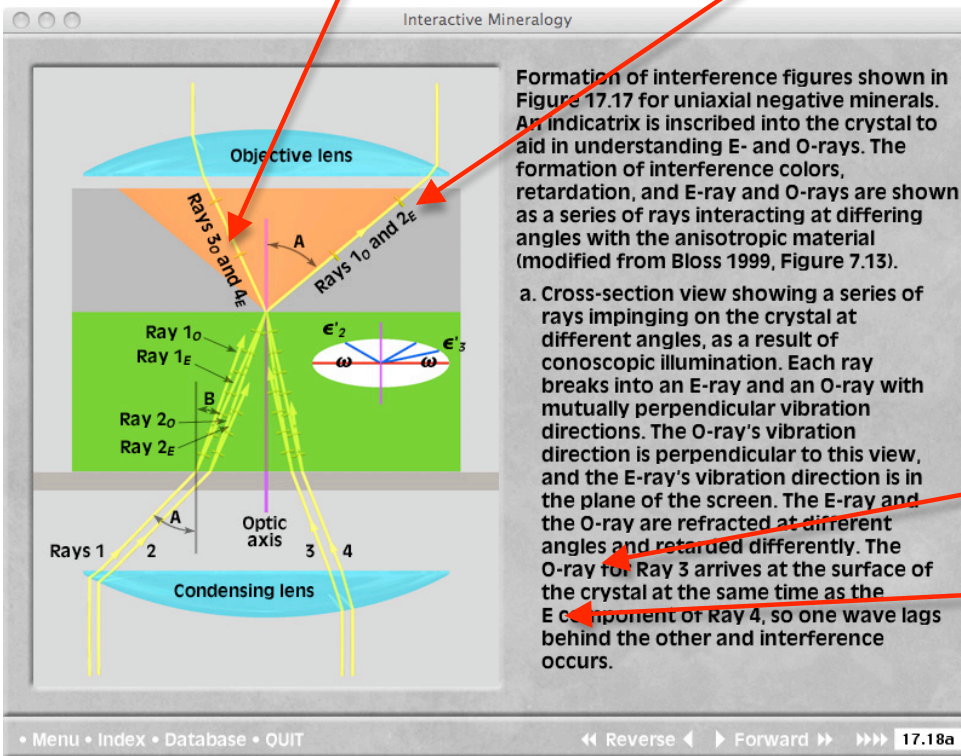


Fig. 17.18a: Change “3_O and 4_E” to “3_E and 4_O”

Change “1_O and 2_E” to “1_E and 2_O”



change “O-ray” to “E-ray”

change “E” to “O”

Figure 20.1: the triple point should be located at 3.8 kbar and 501 °C. The slopes of the univariant curves are also off by a little bit. For the correct diagram, see Holdaway (1971) American Journal of Science, vol. 271, pp. 97-131.

Figure 20.6 animation: liquidus and solidus should meet at a eutectic, not a minimum; eutectic should touch the solidus at its minimum temperature

Essenite formula should be $\text{CaFe}^{3+}\text{AlSiO}_6$

Omphacite formula should be $\text{CaNaMgAlSi}_4\text{O}_{12}$

Ferrosilite should be $(\text{Fe}^{2+}, \text{Mg})_2\text{Si}_2\text{O}_6$

Biotite-series should not be hyphenated

Biotite formula should be given as $\text{K}(\text{Mg}, \text{Fe}^{2+}, \text{Al})_3\text{Al}(\text{Si}, \text{Al})_3\text{O}_{10}(\text{OH})_2$

All kaolinite-serpentine mineral formulas should be double-checked.

Find a better humite photo of a sample that's a more typical color: yellow, orange, or red.

Clinohumite and norbergite have been inadvertently left out of the humite group listing. Double-check the entire group list.

Crossite is no longer an amphibole mineral name.

Add the vacancy symbol in the formulas of actinolite, glaucophane, ferroglaucophane, and riebeckite.

Kutnohorite should now be kutnahorite.

Double-check monazite formulas for charge balance; Th^{4+} substitution for REE^{3+} must be charge-balanced, usually by Ca^{2+} .

Table 11.8 Bravais Lattices: orthorhombic side-centered is mislabeled as I – should be C

Table 11.8 Bravais Lattices: orthorhombic body-centered is mislabeled as C, should be I
Figure 22.29, in the labels on Amphiboles and Pyroxenes ternary diagrams: "Mg/Ca =" should be
"(Mg,Fe)/Ca" AND "Amphacite" should be "Omphacite"