

Ternary phase diagram files

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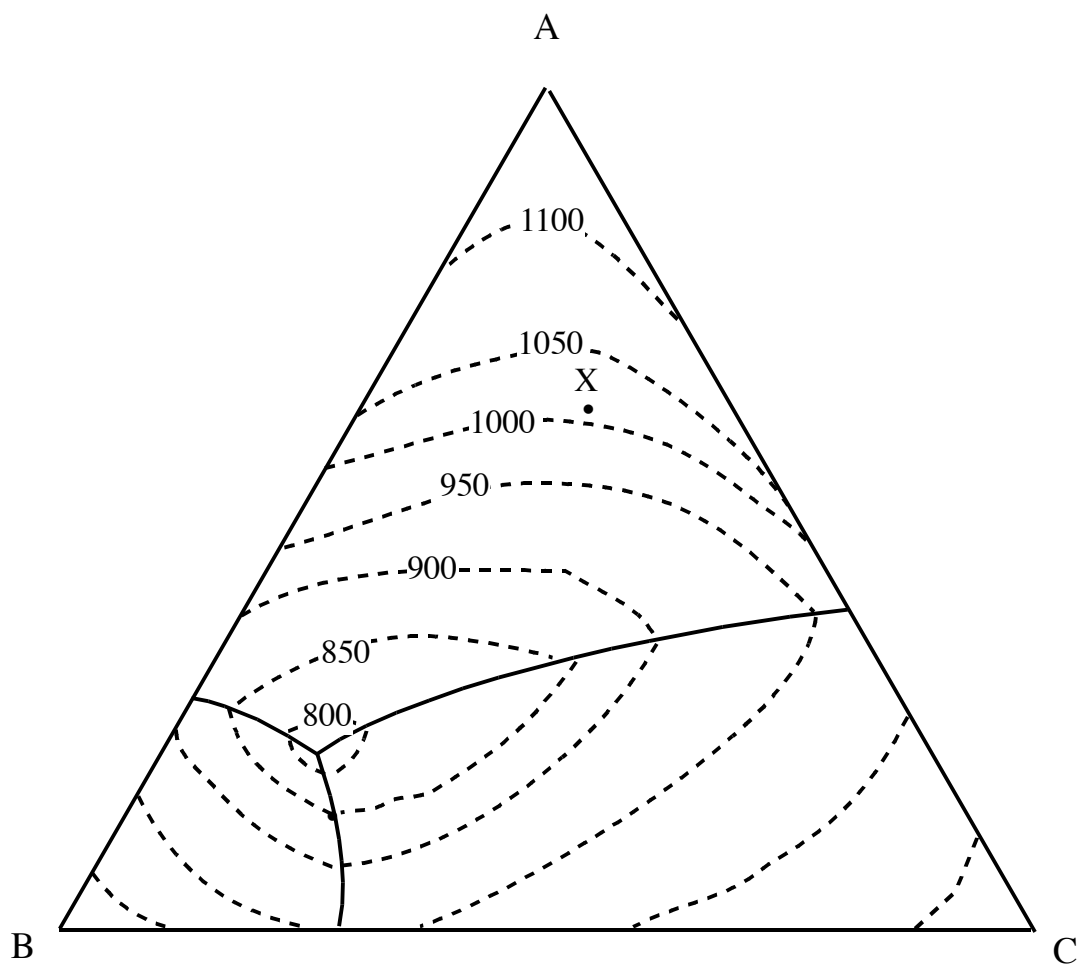
This file contains PDF files of the three-component phase diagrams contained in the phase diagram exercises posted on the Teaching Petrology in the 21st Century website. These are provided so that you may choose the compositions that you would like your students to interpret. Although these are PDF files, they were created in Freehand 10 and Adobe Illustrator. You should be able to open them in either application.

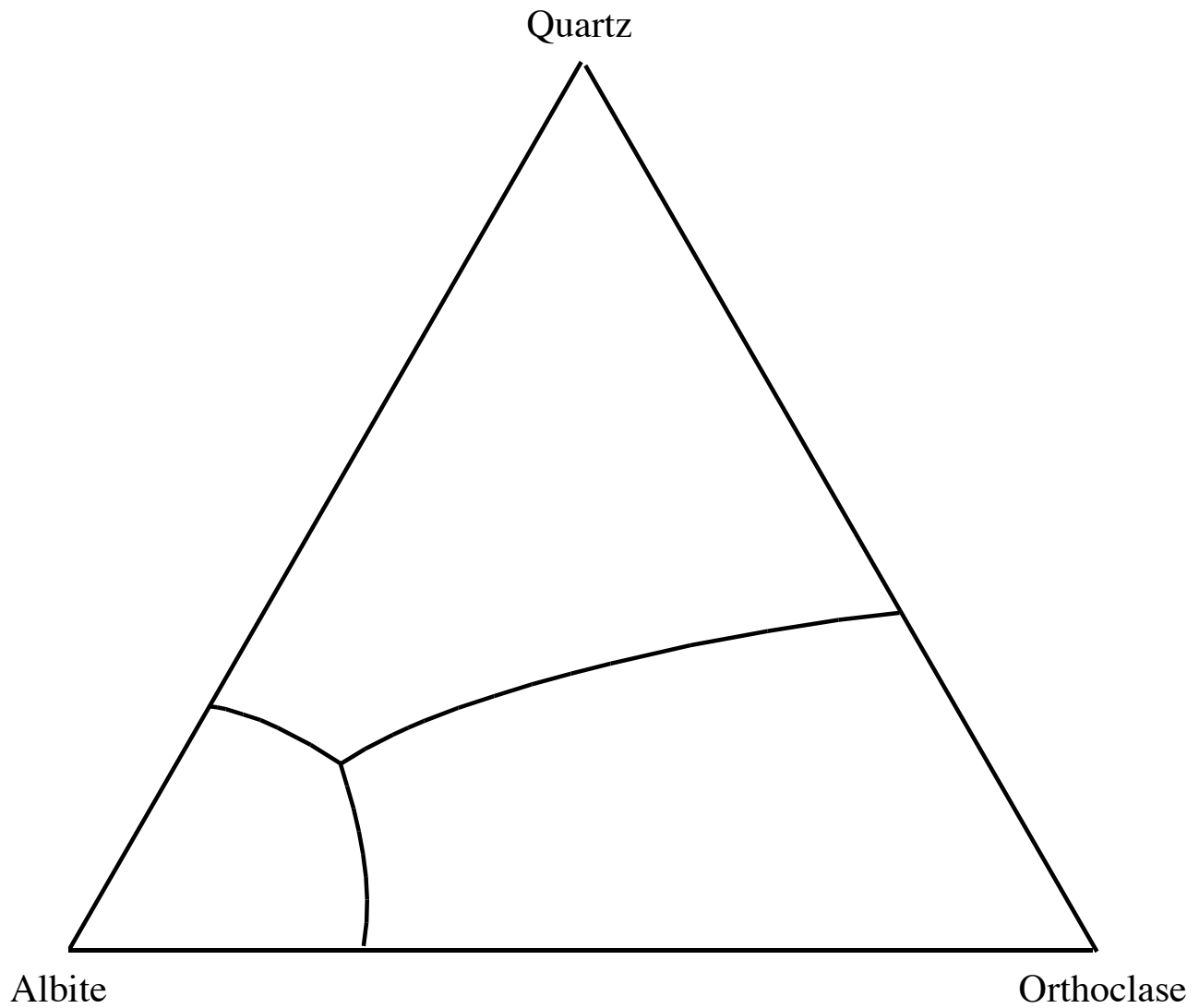
All three-component phase diagrams contained in these exercises are based on the phase diagrams found in Chapter 10 of Philpotts (1990).

If you would like the Freehand, Adobe Illustrator or .eps files themselves, you may e-mail Jen Wenner at wenner@uwosh.edu and she will send them to you via e-mail.

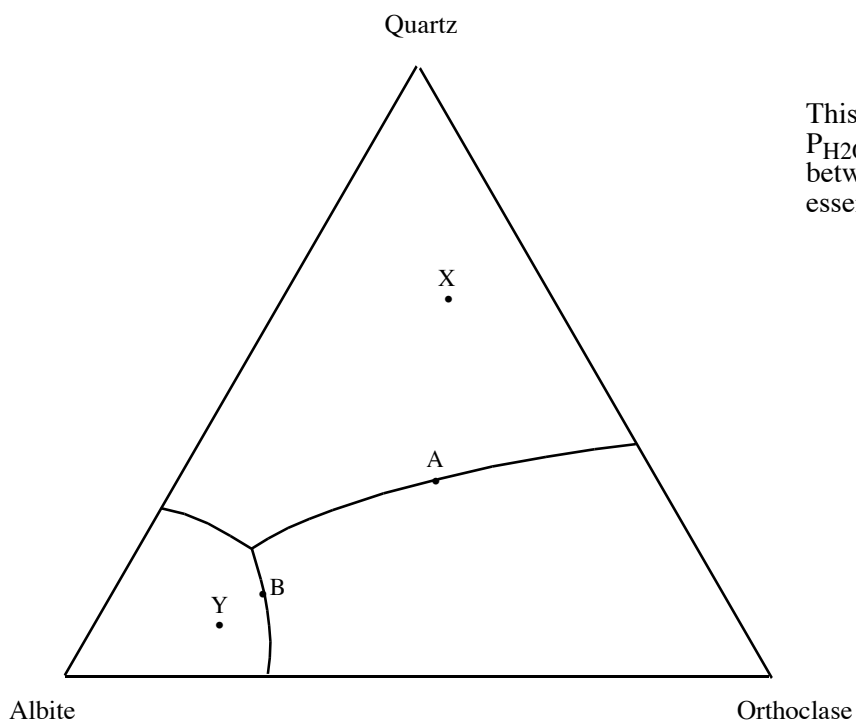
References Cited

Philpotts, A.R. (1990) Principles of Igneous and Metamorphic Petrology. 498 p.
Prentice Hall, Englewood Cliffs, NJ.

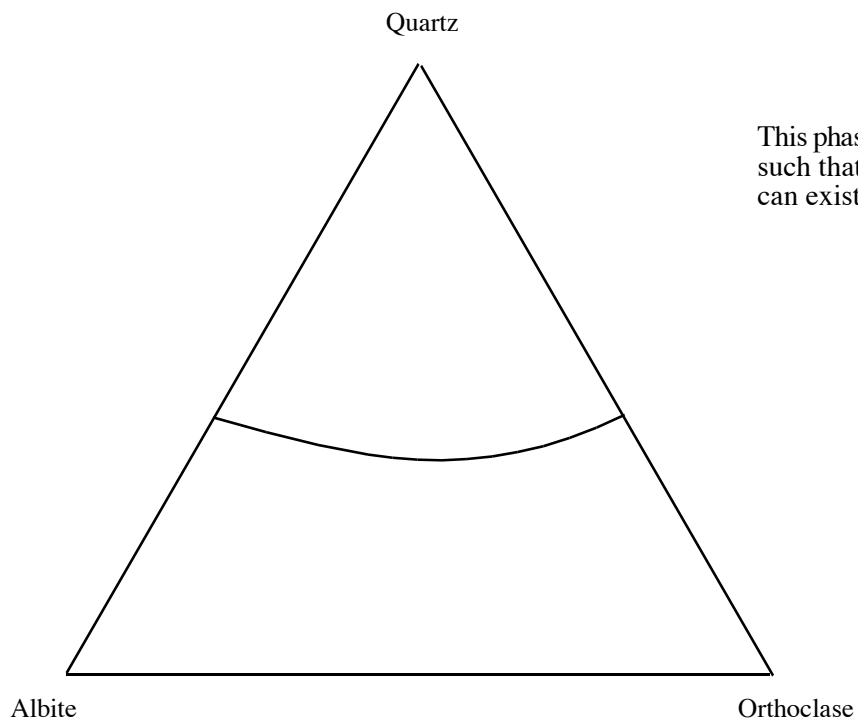




This phase diagram is at high P_{H_2O} such that the relationship between albite and orthoclase is essentially a binary eutectic.



This phase diagram is at high P_{H_2O} such that the relationship between albite and orthoclase is essentially a binary eutectic.



This phase diagram is at low P_{H_2O} such that albite and orthoclase can exist in solid solution.

