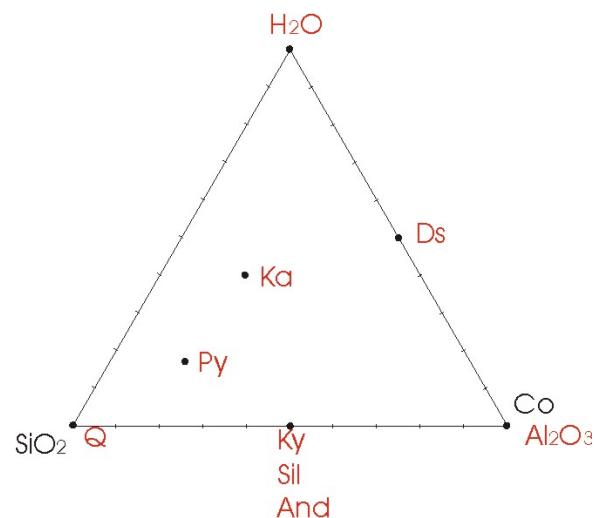


# Phase Diagrams and Chemographic Diagrams

C:\Courses\320\fall2005\inclass, etc\57-ProjectionsAnswers.wpd; October 9, 2003 (6:09pm)

Question #1. Here is the diagram with the minerals plotted. Put the mineral abbreviations (above table) next to the correct dots in the diagram.



Question #2. Use only the information on the phase diagram below (same as the one on page 4) to answer the following for each of the assemblages listed below: Where in P-T space, if anywhere, is it stable? (Use the numbered reactions and the labeled regions of PT space to answer the question.)

- Ds **A-E, I-M**
- Ka **AB, LM**
- Ka + Q **A,M**
- Py + Q **ABCD, JKLM**
- Ds + H<sub>2</sub>O **A-E, I-M**
- Ds + Q **A-E, I-M**
- Ka + Q + And **M**
- Ka + Ky + And **ON 8, BETWEEN AB AND LM**
- Cor + Ky + And + H<sub>2</sub>O **ON 8 AT T>RXN5**
- Py + Ds + Ky + Qz **ABC, KLM**
- Py + Qz + Ky + H<sub>2</sub>O **D**
- Ky + And + Ds + Cor + H<sub>2</sub>O **WHERE 8 AND 5 INTERSECT**

