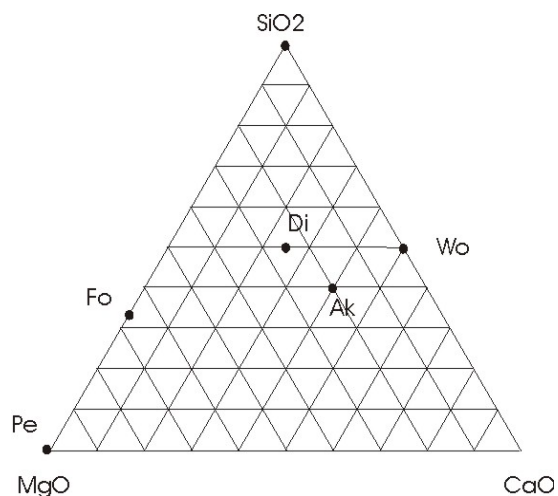


Three Component System and Reactions

C:\Courses\320\in-class\06-answers.wpd; August 23, 2003 (11:20am)



Possible reactions:

#	missing	reaction
1	(Pe,Fo)	$Ak + Q = Di + Wo$
2	(Pe,Q)	$Ak + Di = 3Wo + Fo$
3	(Pe,Di)	$Fo + 4Wo = 2Ak + Q$
4	(Pe,Ak)	$2Di = Fo + 2Wo + Q$
5	(Pe,Wo)	$4Di = Fo + 2Ak + 3Q$
6	(Q,Fo,Di) (degenerate)	$Ak = 2Wo + Pe$
7	(Fo,Ak)	$Di = Pe + Wo + Q$
8	(Fo,Wo)	$2Di = Ak + 2Q + Pe$
9	(Q,Ak)	$Pe + Di = Fo + Wo$
10	(Q,Wo)	$Pe + 2 Di = 2Fo + Ak$
11	(Wo,Di,Ak) (degenerate)	$Fo = Q + 2Pe$