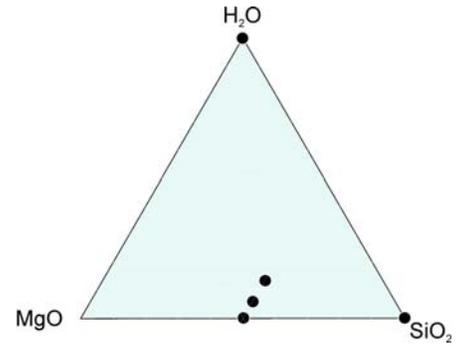


Compatibility Diagram: Tc-En-Etc.

First, (on triangular diagram at right) label the dots with appropriate abbreviations for Talc [Tc, $Mg_3Si_4O_{10}(OH)_2$], enstatite [En, $MgSiO_3$], quartz [Qz, SiO_2], and anthophyllite [Ant, $Mg_7Si_8O_{22}(OH)_2$].



Then, on phase diagram below, put the dots and tie-lines in the correct place to make compatibility diagrams for each field. DRAW CAREFULLY - and be aware that all dots will not be in all fields.

Finally, at the end of each reaction line, label each of the reactions below with (Tc), (En), or (Qz), etc. depending on the phase that is NOT involved in the reaction.

