

In-Class Exercise Phase Diagrams: 2 Phase Regions SOLUTIONS

1. Find a eutectic point (labeled below in green)
 2. Label all the un-labeled regions. (filled in below in blue)
 3. Determine the compositions of the two phases present at the "X" marked spot.
- To find the compositions, you draw a tie line through X. Follow the intercept of the solidus down to the x axis to give δ 's composition of 42 at% Al, 58 at% Ag. Follow the intercept of the liquidus down to the x axis to give L's composition 50 at% Al and 50 at% Ag.

