



**MATERIALS SCIENCE
& ENGINEERING**
TEXAS A&M UNIVERSITY

Introduction to Materials Science & Engineering

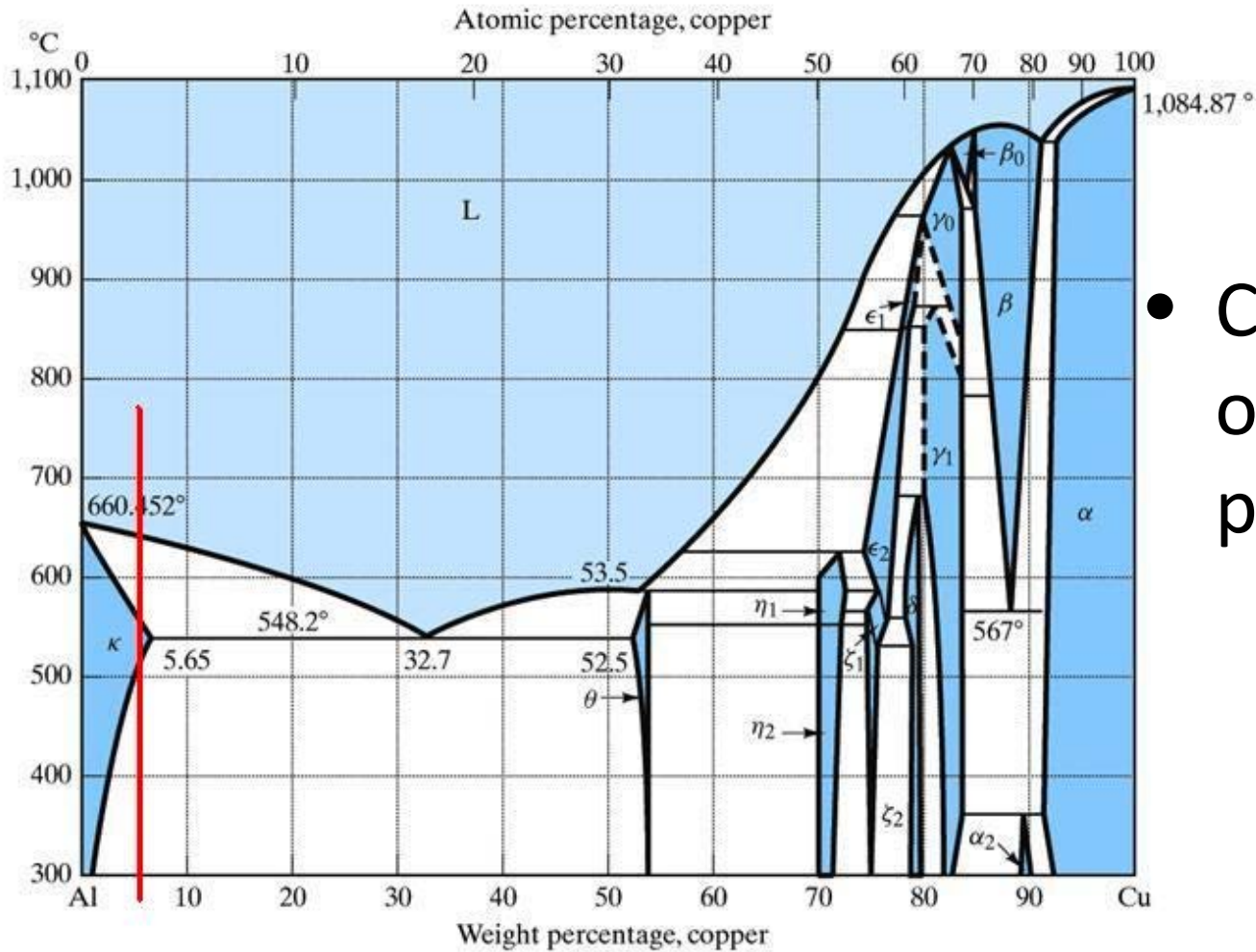
Lever Rule

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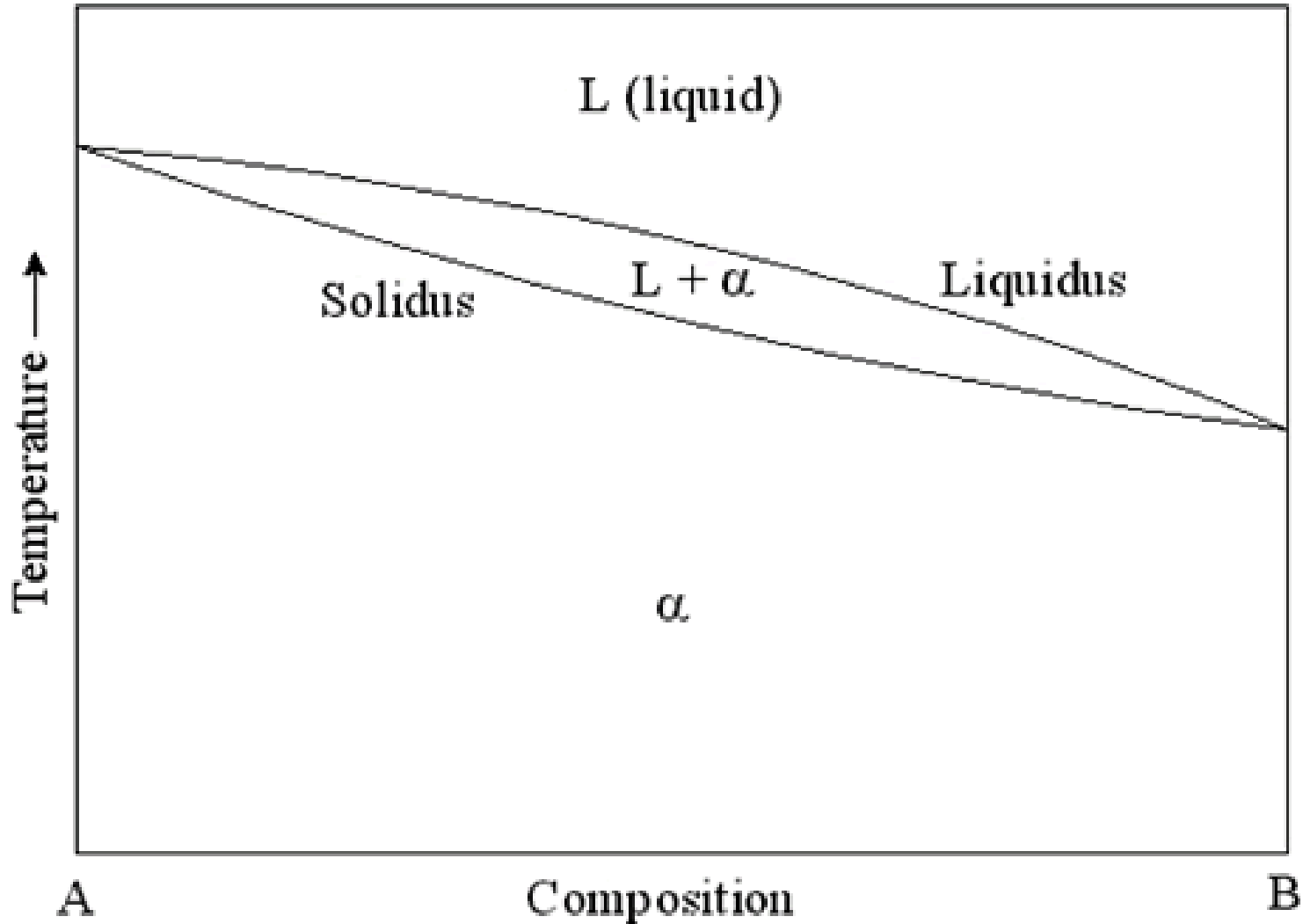
Phase Diagrams: the lever rule



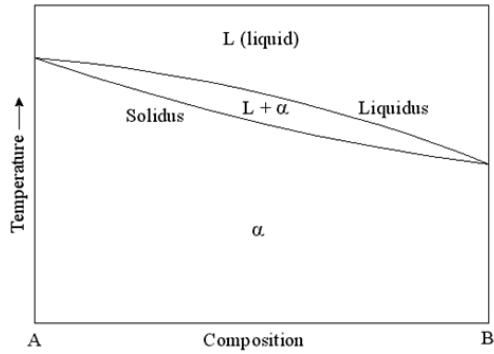
- Concentrations of different phases present

Al-Cu phase diagram

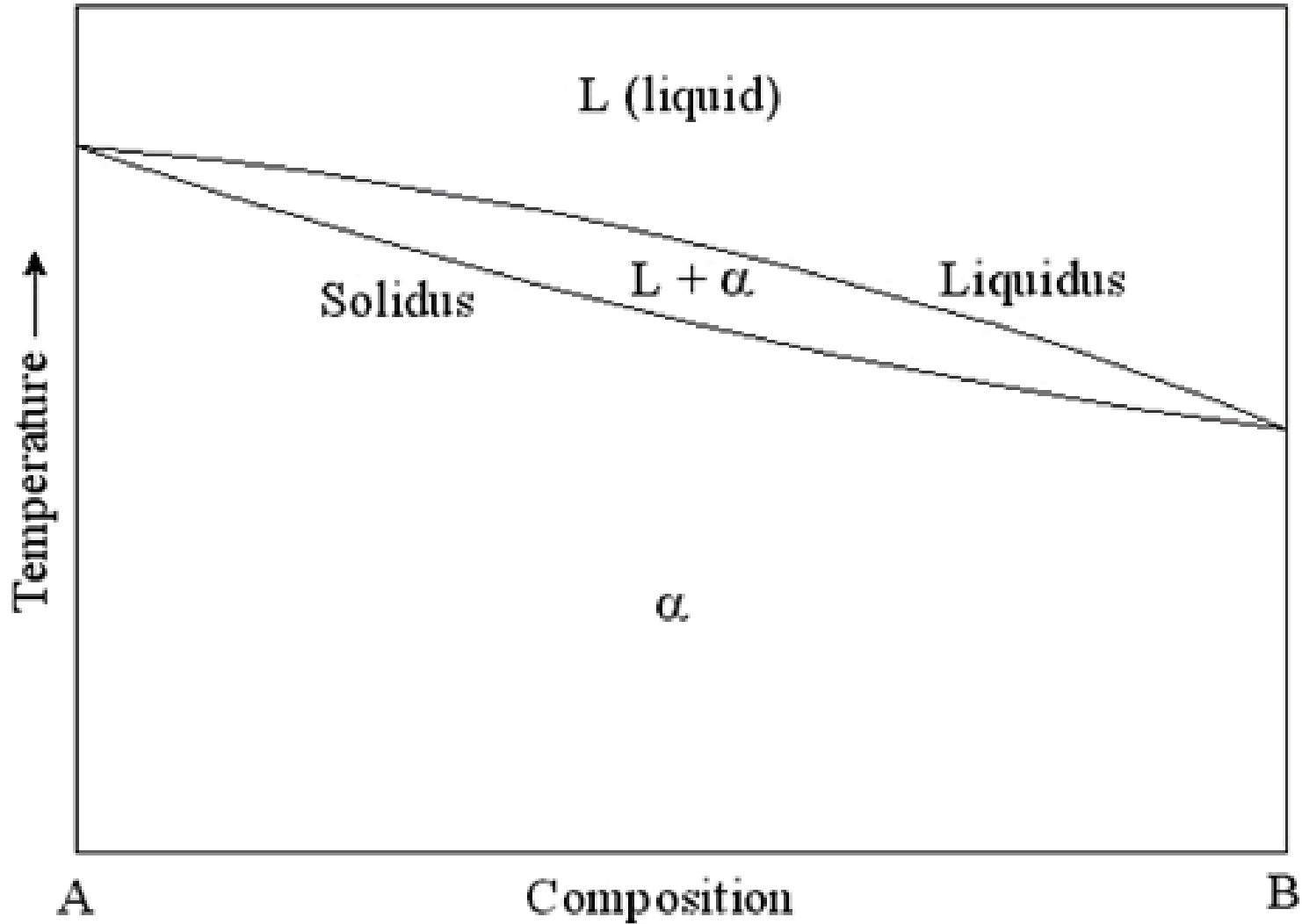
The lever rule: application



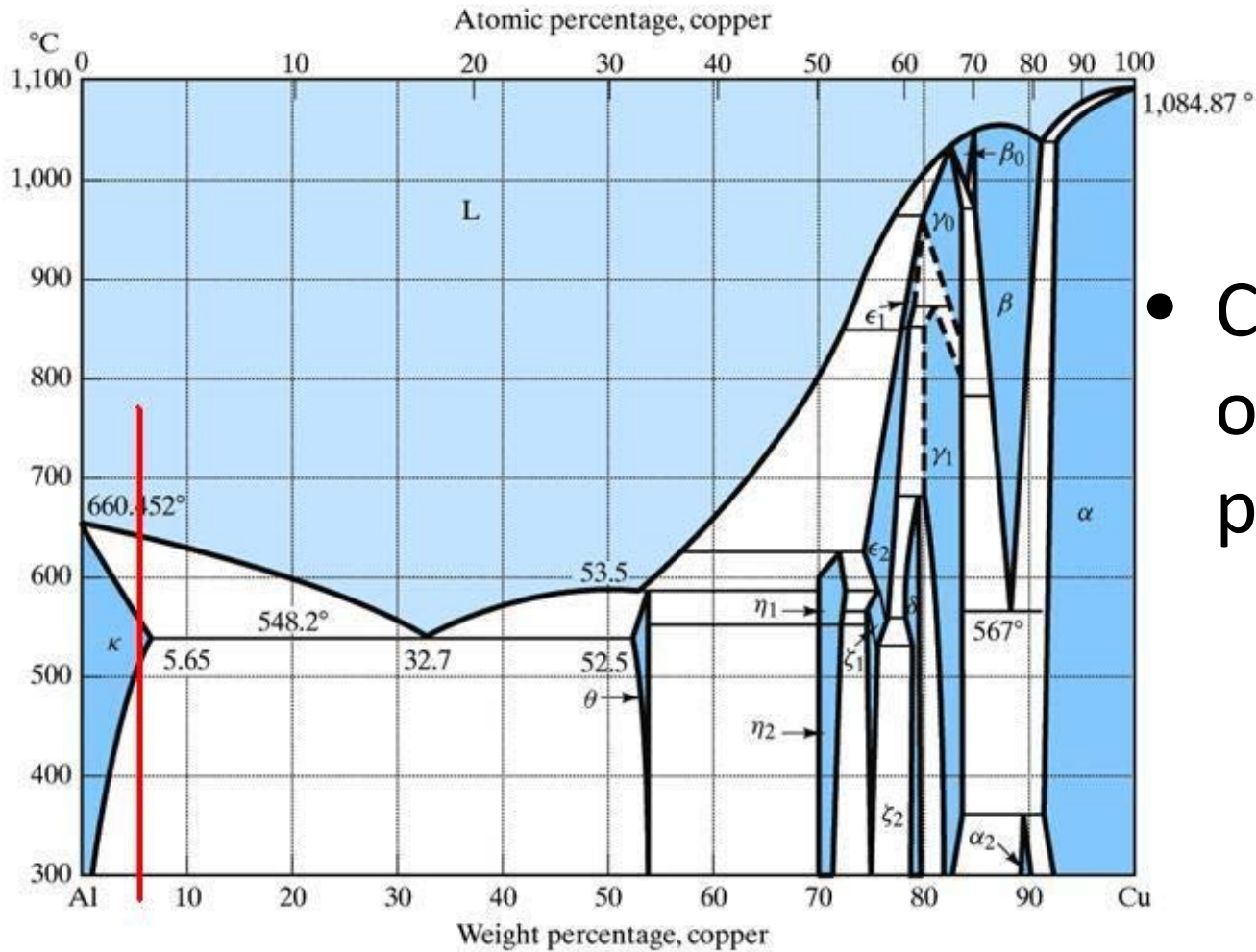
The lever rule: derivation



The lever rule: sanity check



Phase Diagrams: the lever rule



Al-Cu phase diagram

- Concentrations of different phases present