

### No Solid Solution, Incongruently Melting Compound

- An **incongruently melting compound** is a solid phase which when heated does not melt to a liquid of its own composition - it reacts to produce a liquid and another solid, e.g.,
  - $En \implies Ol + Liquid$
  - $Or \implies Lc + Liquid$
- Both reactions take place at low P
- We will examine the **Forsterite - Silica** system in which **Enstatite** melts incongruently.

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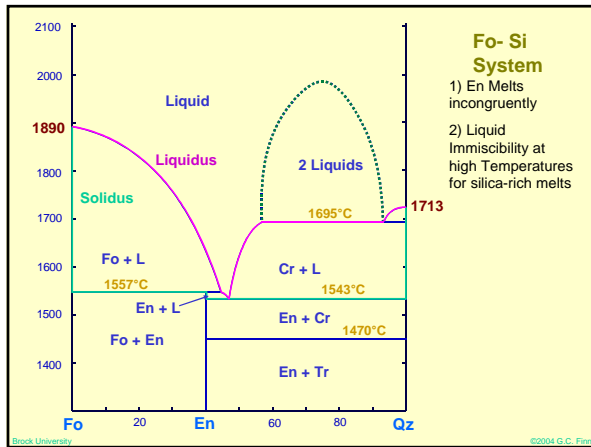
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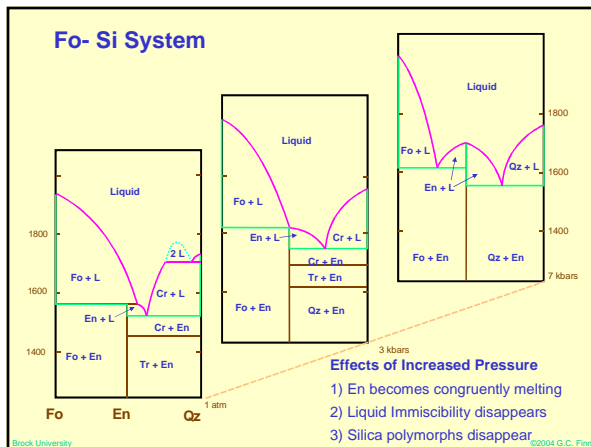
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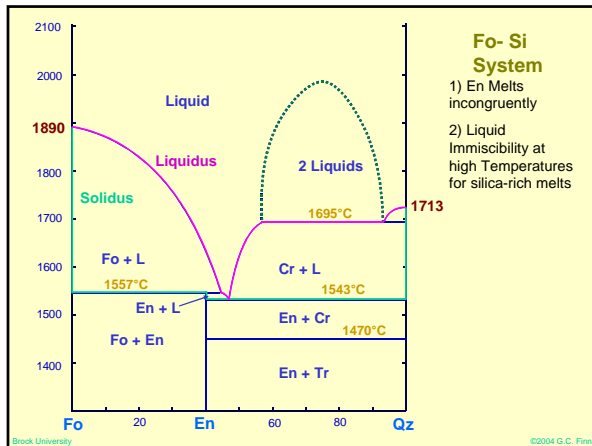
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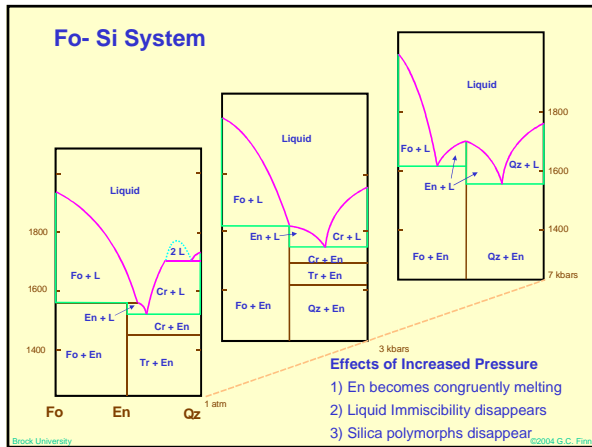
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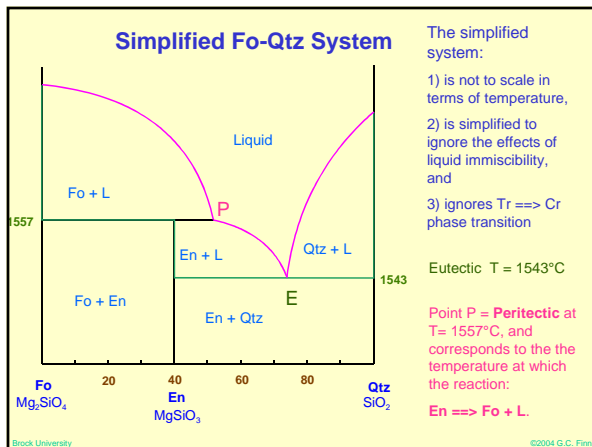
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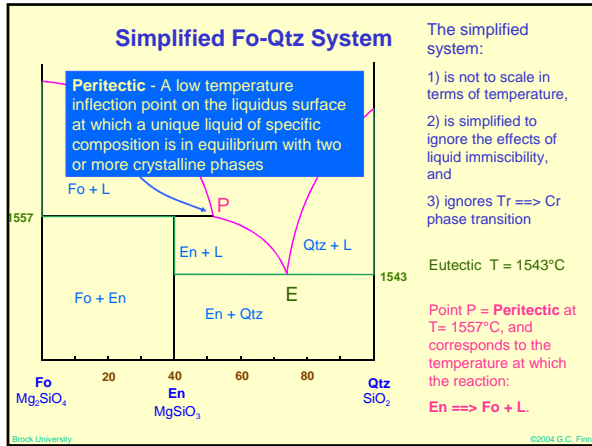
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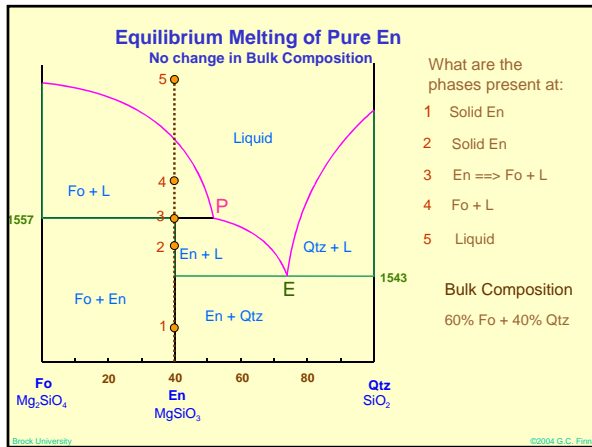
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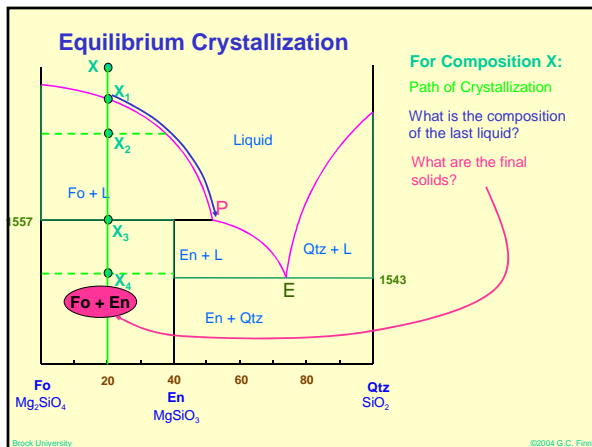
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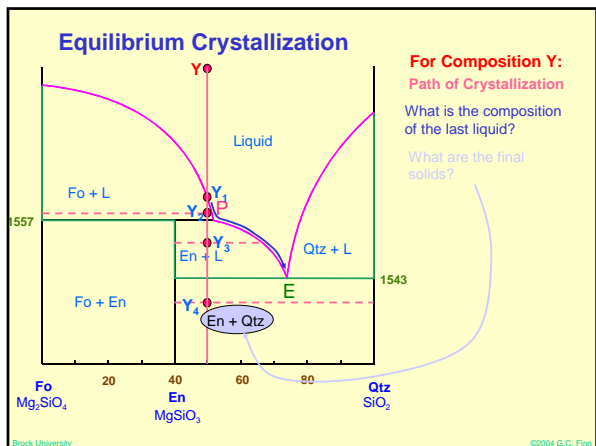
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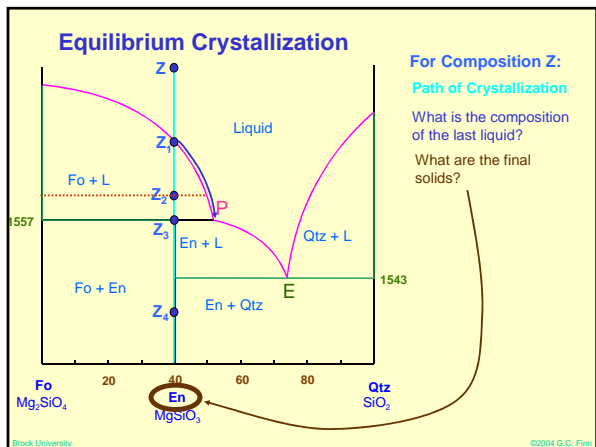
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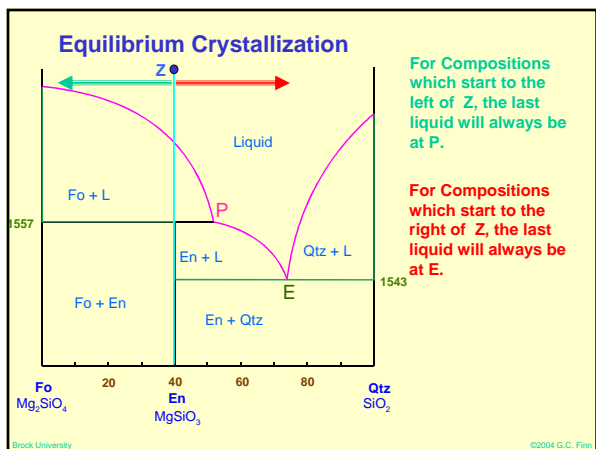
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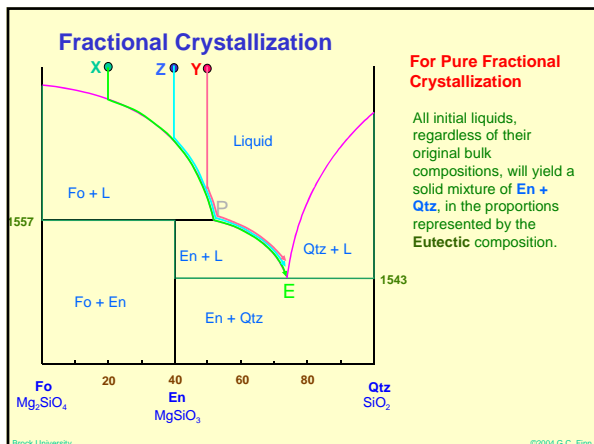
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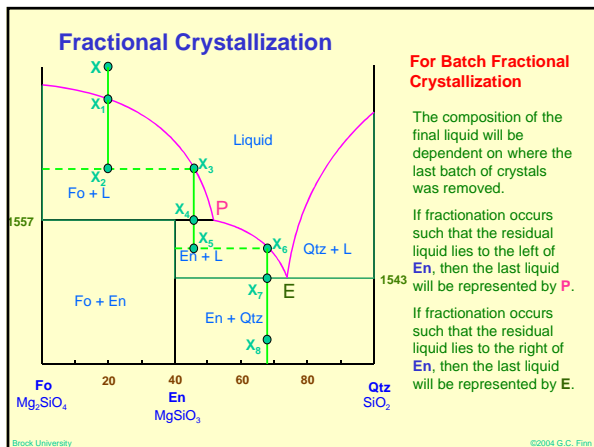
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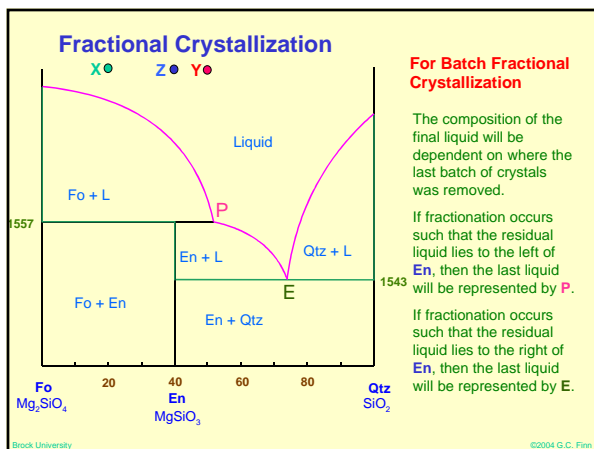
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