| • | What is the conjugate variable to volume? Is volume an intensive thermodynamic variable of extensive thermodynamic variable? What about its conjugate variable is it intensive? |
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| • | Is temperature an extensive or intensive variable? What thermodynamic variable is conjugate to temperature? |
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| • | Is the number of atoms in a phase an intensive or extensive thermodynamic variable. What ther modynamic variable is conjugate to number of atoms |
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| • | How do the intensive and extensive thermodynamic variables behave in a system when it is a equilibrium. |