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• Chemical equilibrium – no tendency for a species to change phases or chemical react
• Thermodynamic equilibrium – a system that is in mechanical, thermal, and chemical equilibrium
• Phase equilibrium – a system with more than one phase present that is in thermal and mechanical

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Chemical Engineering Thermodynamics II

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Introductory Chemical Engineering Thermodynamics Unit I Earth, Air, Fire, and Water Chapter 2: Energy Balances By JR Elliott and CT Lira Elliott and Lira: Chapter 2 - Energy Balances Slide 1 EC Work, Net Work, "Lost Work," Gradients, and Viscous Dissipation Consider a piston+cylinder engine Work energy leaves the system when the piston expands and work energy enters the system when

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