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 Indicates a research-demonstrated benefit

Overview

Guided-inquiry worksheet activities to help students develop a better understanding of upper-division thermodynamics and statistical mechanics.

 Type of Method	Curriculum supplement, Tutorials
 Level	Designed for: Intermediate  , Upper-level Undergraduate  Can be adapted for: Intro College Calculus-based, Intro College Algebra-based
 Setting	Designed for: Lecture - Small (<30 students)  , Recitation/Discussion Session 
 Coverage	Many topics with less depth
 Topics	Thermal / Statistical
 Instructor Effort	Medium
 Skills	Designed for: Conceptual understanding  Can be adapted for: Problem-solving skills
 Research Validation	Based on research into: student ideas about specific topics  Demonstrated to improve: conceptual understanding  Studied using: student interviews  , research at multiple institutions 
 Compatible Methods	Peer Instruction , PhET , JiTT , CGPS , Physlets , SCALE-UP , OSP , LA Program , CAE TPS , Paradigms , Tutorials , Clickers
 Similar Methods	UW Tutorials , ABP Tutorials , OST Tutorials , Lecture-Tutorials , QuILTs , Mechanics Tutorials , Tutorials
 Developer(s)	John Thompson, Michael Loverude, David Meltzer, Warren Christensen, Don Mountcastle
 Resources	For more information and to access the tutorials, email Mike Loverude at mloverude@fullerton.edu .

