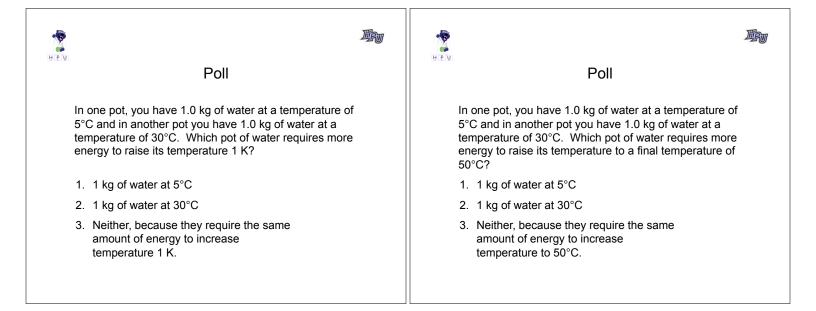
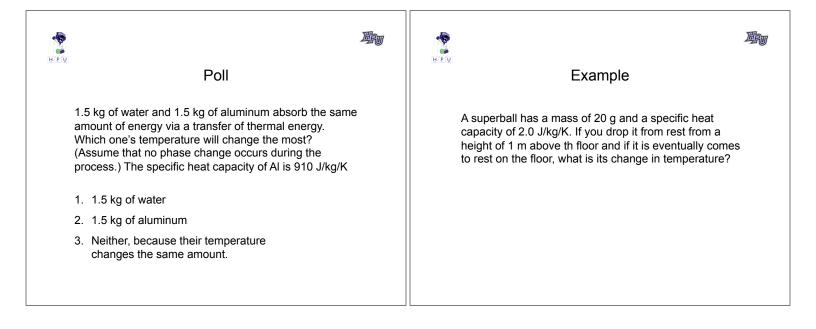
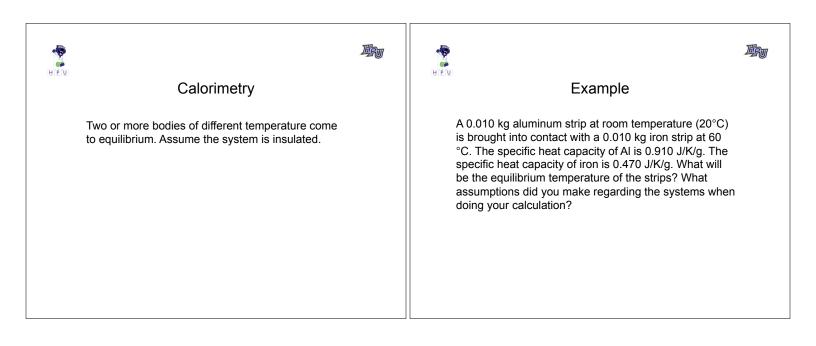
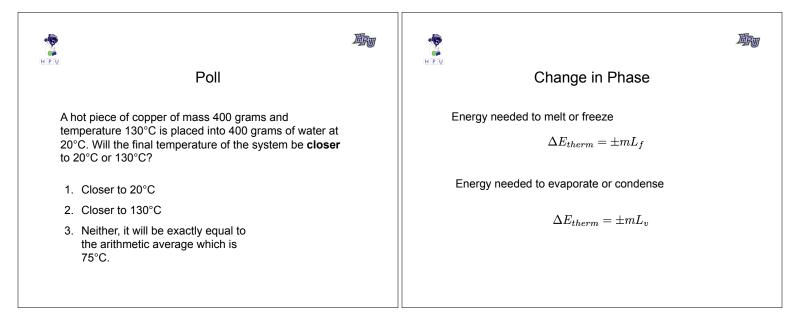


	Щè	и ре u	<u>Min</u>
Poll		Poll	
In one pot, you have 2.0 kg of water. In and identical pot, you have 1.0 kg of water. Whi water will have a higher specific heat?		In one pot, you have 2.0 kg of water. In another identical pot, you have 1.0 kg of water. Which mass of water requires more energy to increase its temperature 1 K?	
1. 1 kg of water		1. 1 kg of water	
2. 2 kg of water		2. 2 kg of water	
 Neither, because they have the same specific heat. 		 Neither, because they require the same amount of energy to increase the temperature 1 K. 	

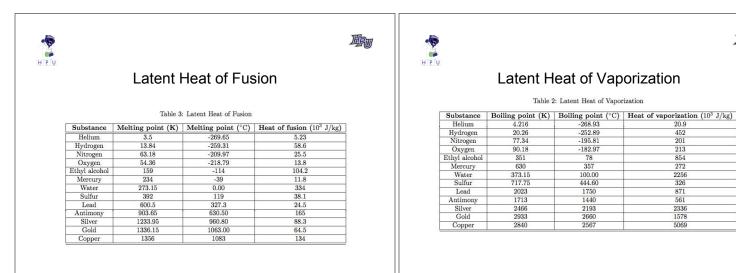








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Poll		Heat Transfer, Q	
Which requires more energy, to melt 1 kg of ice of evaporate 1 kg of water?	r to	If the temperature of the system is different than the temperature of the surroundings AND if the system is NOT insulated, then energy is transferred thermally to the system from the surroundings (or vice versa).	
1. Melt 1 kg of ice			
2. Evaporate 1 kg of water		Note: the thermal energy of the system may not	
 Neither, because they require the same amound of energy. 		necessarily change (or change the same amount) as a result of Q being added or removed from the system.	
		$Q eq \Delta E_{therm}$	

Motheda of Lloot Transfer between	Ba	ларания и просединия и просединия На просединия и просе
Methods of Heat Transfer between System and Surroundings		Conservation of Energy
Conduction Convection Radiation		$\Delta E_{sys} = W + Q$
		$E_i + (W + Q) = E_f$

