

Name _____ Period _____

College Prep Chemistry of the Earth System

Assignment 2D – Energy Flow

20 Points

Answer the following questions based on the video and in class instruction.

Define Heat (q)		Define Temperature (T)	
Units for Heat (q)		Units for Temp (T)	
Define System		Define Surroundings	
Define Exothermic		Define Endothermic	

For the two situations below determine the system and the surroundings. For each determine if the system is exothermic or endothermic, and the sign of the heat (q), + or –

A sandwich is heated in the microwave for 2min. After heating the sandwich is warmer than the room and feels warm to the touch. <i>Sandwich is being focused on</i>		A metal rod is placed in a refrigerator for 2 hours. Upon removing the rod the rod appears to be colder than the room. <i>Refrigerator is being focused on</i>	
System (<i>object focused on</i>)		System (<i>object focused on</i>)	
Surroundings (<i>other objects</i>)		Surroundings (<i>other objects</i>)	
Exo or Endo		Exo or Endo	
Sign of Heat (q)		Sign of Heat (q)	