

College Prep Chemistry of the Earth System

Assignment 2A

20 Points

Introduction to Energy - Heat

Answer the following completely... no one word answers... based on in class discussion and notes from class/online

1. Define the following terms w/example
 - a. Energy
 - b. Kinetic Energy
 - c. Potential Energy
2. Define the terms *heat* and *temperature*. How are the two terms directly related to each other?
3. A scientist is measuring the temperature of a metal block outside on a bench. What is the system and what are the surroundings?
4. Explain the process of heat transfer between two objects, one object having more energy than the other.
5. Define an exothermic and an endothermic system. What is the main difference between the two heat flow terms?