Name:_____ Team: _____ Hour:_____ 14

Unit 7.3 Summary Table

Lesson 2: Lesson Question: *What is temperature?*

A. What activity did we do?	We placed a single drop of food coloring into hot and cold water. We drew our observations at different time intervals. We also made predictions and compared results.
B. What evidence did we gather?	The food coloring in the hot water mixed much faster than the cold water. After 2 minutes the food coloring in the hot water was completely mixed, and the food coloring in the cold water was [redacted] partially mixed.
C. My answer to the lesson question:	Temperature is the measure of average kinetic energy of all the molecules in an object or system. Molecules move randomly without a pattern. The temperature changes when the average kinetic energy of an object's molecules change. The faster the molecules move, the greater the average kinetic energy and temperature.
D. Connecting my ideas to the Unit Challenge:	We want the cooled dog crate to have a lower temperature than the air outside the crate. The air molecules inside the crate must be moving slower and carry less kinetic energy.