

Thermodynamics – Day 1 Notes:

1. Temperature = measure of the amount of KE in a sample of matter

(A thermometer is a speedometer)

2. Heat = transfer of energy from a high T location to a low T location

(Heat is not a *thing* that is contained in a substance)

3. System-Surroundings, boundary

[2 examples of heat transfer: (a) liquid N₂ to surroundings and (b) your home today to surroundings]

4. What does heat do? (change T, change phase)

5. 1st Law of Thermodynamics

6. 0th Law of Thermodynamics

(thermal equilibrium)