Chapter 16: Heat and Thermal Energy Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Study Guide Mr. Rosener

Know the Vocabulary

Heat spontaneously flows from hot to cold objects

Know the difference between Temperature and Thermal Energy (Heat)

Know how to calculate Heat (Q = m \* c \* ΔT)

Know the specific heat of common materials is found on table B of the reference tables

Thermometer measures temperature

Calorimeter measures heat

Know the three ways heat can be transferred (conduction, convection, radiation)

Know the three Laws of Thermodynamics

Know the two main types of heat engines (internal and external)

Most common way to distribute heat in buildings is by using convection