

Chemistry - Thermo HW3 - Specific Heat

Name: _____ Date: _____ Per: _____

1. For problems that involve calculating energy requirements, the equation is $Q = m (\Delta T) C_p$. The variable Q stands for _____ and is measured in units of _____.
2. For problems that involve calculating energy requirements, the equation is $Q = m (\Delta T) C_p$. The variables m, ΔT , and C_p stand for:
m: _____
 ΔT : _____
 C_p : _____
3. The amount of energy needed to raise the temperature of one gram of a substance by one Celsius degree is known as _____.
4. The amount of energy needed to raise the temperature of one gram of water by one Celsius degree is known as _____.
5. For problems that involve calculating energy requirements, the equation is $Q = m (\Delta T) C_p$. How would you isolate to solve for ΔT ?

Word Bank: calorie, joules, energy, specific heat capacity, mass, change in temperature