

SPECIFIC HEAT

- 1) How much heat is required to raise 2.00 g of H₂O by 5.0°C?
 - 2) How much heat is required to raise the temperature of 68.0 g of AlF₃ from 25.0°C to 80.0°C? The specific heat of AlF₃ is 0.8948 J/g°C.
 - 3) A piece of lead with a mass of 14.9 g at a temperature of 92.5°C is dropped into an insulated container of water. The mass of the water is 165 g and the temperature is 20.0°C before the lead is added. If the final temperature of the system is 20.2°C, what is the specific heat of lead?
- ** Find the energy (q) of the one you know most about first.