

- 1. A beaker with a 10.0g sample of water is heated from 13°C to 88°C. The specific heat of water is 4.18 J/g.°C. How much heat is required to heat the water?
 - *Temp is 1, so Q is + (Endothermic)

2. A 25.0g sample of mercury is heated from 25°C to 155°C and absorbs 455 J of heat in the process. Calculate Baspecific heat capacity of mercury.

** Remember Q over the other 21 NOTES

C = Q

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- 3. What amount of heat is required to lower the temperature of a 3.00g sample of gold from 200°C to 25°C? The specific heat of gold is 0.129 J/g.°C.
 - * Temp is +, so Q is (Exothermic)