

Specific Heat

- Heat adds energy to object/system
- IF system does NO work then:
 - Heat increases internal energy. $Q = \Delta U$
 - Heat increases temperature!
- $Q = c m \Delta T$
 - Specific heat c , units = $J/kg^{\circ}C$
 - Heat required to increase Temp depends on amount of material (m) and type of material (c)
- $\Delta T = Q/(c m)$