Homework - Worksheet #1,2

Worksheet #3-6

Heat (q)

- change in kinetic energy
- measures transfer of energy when there are temperature changes (heating or cooling)

Enthalpy (H)

- measures potential energy
- change in energy transfer when system is at constant pressure and same initial and final temperatures

What we've looked at so far...

- Energy changes when the temperature changes (heating water from 20 °C to 50 °C)
- Energy changes when the temperature remains the same. (melting of ice at 0° C)

What if you heat 10. g of ice at −20. °C until it is water at 30. °C?

Heating Curve of Water



