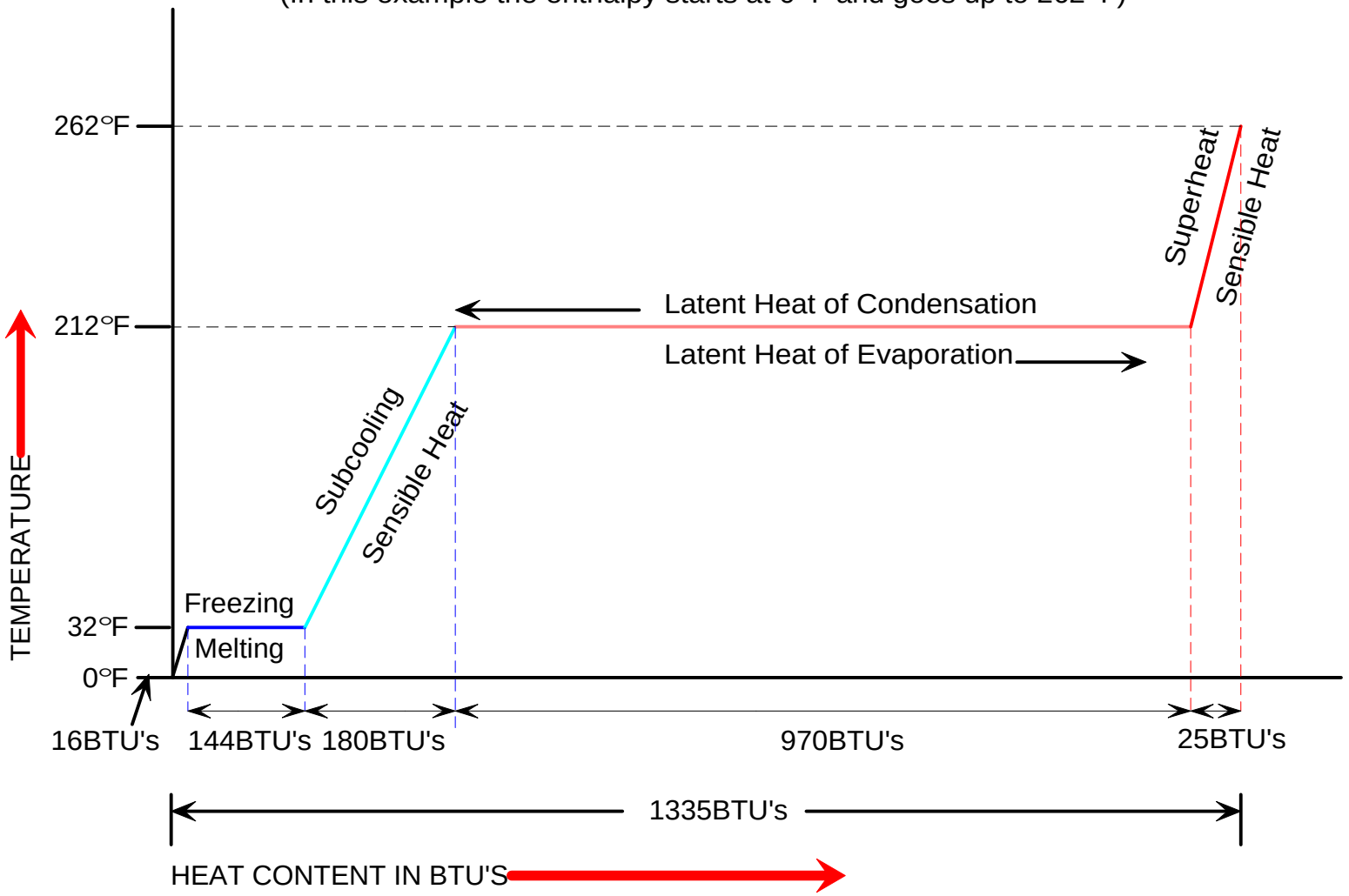
Heat / Temperature chart showing heat and temperature of one pound of water under atmospheric pressure

(In this example the enthalpy starts at 0 °F and goes up to 262 °F)



Sensible Heat: Heat added to a substance that causes a change in temperature

Latent Heat: Heat added to a substance that causes a change of state without a change in temperature

Specific Heat: The amount of heat added to ONE POUND of a substance that causes that substance to change temperature 1 °F

Sp. Ht. of Ice = .5 BTU / 1 Pound / 1 °F
Sp. Ht. of Water = 1 BTU / 1 Pound / 1 °F
Sp. Ht. of Steam = .5 BTU / 1 Pound / 1 °F

Enthalpy: The amount of heat energy (BTU's) contained in a substance measured from an accepted base (in this example the enthalpy would be 1335 BTU's)