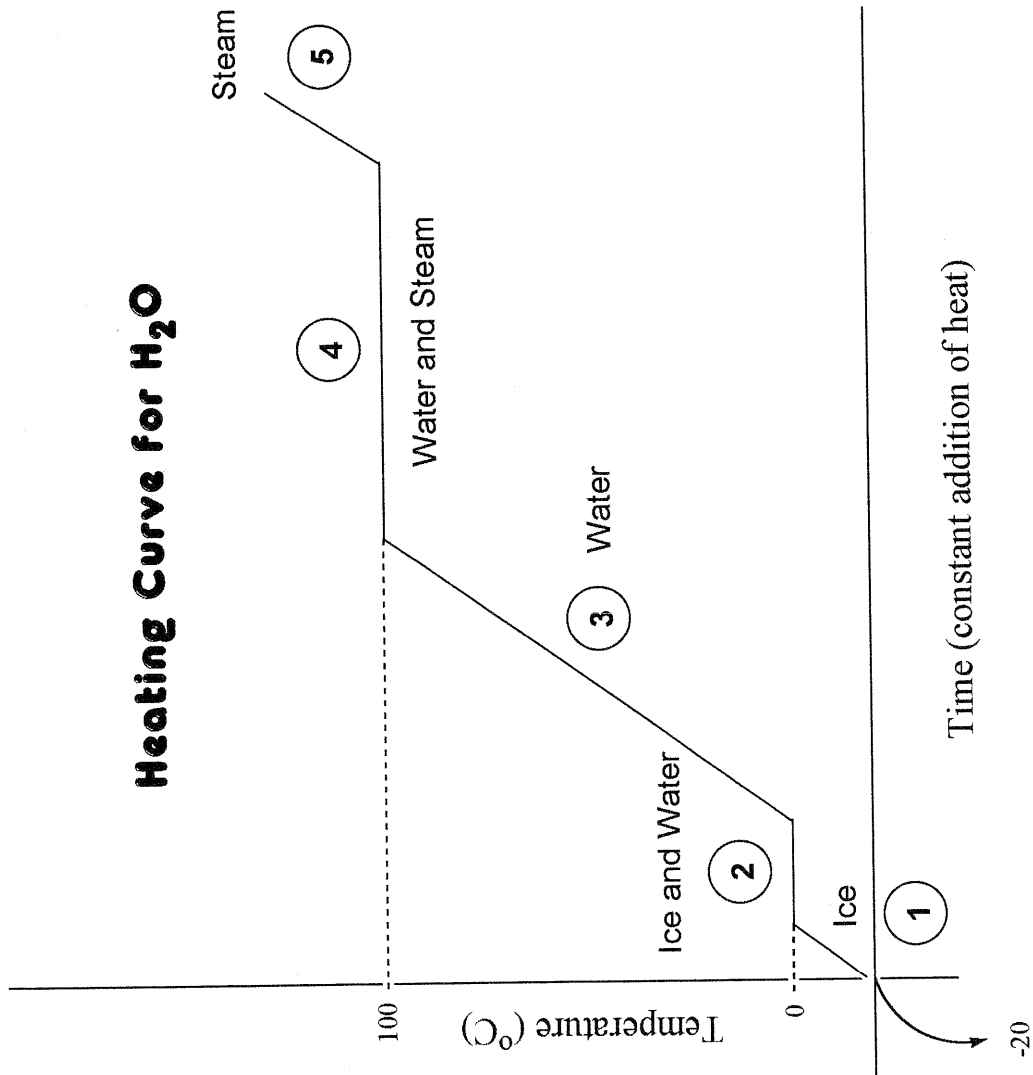


Heating Curve for H₂O



- 4** water @ 100 °C → steam @ 100 °C
 $q = \Delta H_{\text{vaporization}} \times \text{moles of water}$
- 3** water @ 0 °C → water @ 100 °C
 $q = S_{\text{water}} \times m_{\text{water}} \times \Delta T_{\text{water}}$
- 2** ice @ 0 °C → water @ 0 °C
 $q = \Delta H_{\text{fusion}} \times \text{moles of ice}$
- 1** ice @ -20 °C → ice @ 0 °C
 $q = S_{\text{ice}} \times m_{\text{ice}} \times \Delta T_{\text{ice}}$

- 1** ΔE_K
- 2** ΔE_P
- 3** ΔE_K
- 4** ΔE_P
- 5** ΔE_K