

## Phase Changes



- Melting & Freezing:  $Q = m \Delta H_{\text{fus}}^{\circ}$   
    ↓ use  $+333 \frac{\text{J}}{\text{g}}$       ↓ use  $-333 \frac{\text{J}}{\text{g}}$       where  $\Delta H_{\text{fus}}^{\circ} = 333 \frac{\text{J}}{\text{g}}$

- Vapourization & Condensation:  $Q = m \Delta H_{\text{vap}}^{\circ}$   
    ↓ use  $+2260 \frac{\text{J}}{\text{g}}$       ↓ use  $-2260 \frac{\text{J}}{\text{g}}$       where  $\Delta H_{\text{vap}}^{\circ} = 2260 \frac{\text{J}}{\text{g}}$