$$I NH_4CI \Rightarrow NH_4^+ + CI^{-1} \Delta H = +25KJ/rxn$$

If 1 mole of ammonium chloride is dissolved, how much energy is absorbed?

2. If 2 moles ammonium chloride is dissolved, how much energy is absorbed?

3. If 53 grams of ammonium chloride is dissolved how much energy is absorbed?

5. If 25g of ammonium chloride is dissolved, how much energy is absorbed?

$$259 \cdot \frac{1}{535} \cdot \frac{25}{1} = 11.7 \text{ K}$$
If 90KJ of energy is absorbed, what is the mass of ammonium chloride dissolved?

What is the enthalpy for reaction above? +50 K \( \)

1 gram of glucose burns producing 15.5kJ of energy via the following reaction.

$$C_6H_{12}O_6 + 6O_2 \implies 6CO_2 + 6H_2O \Delta H = ?$$

How much energy would be released if 2 grams of sugar were burned?

How much energy would be released if 180g were burned?

10. How much energy would be released if 2 moles were burned?

11. What is the enthalpy change for the reaction above?

DH = - 2790 ← Energy for 12. What is the enthalpy change for the reaction below?

$$\begin{array}{c}
2C_6H_{12}O_6 + 12O_2 \Rightarrow 12CO_2 + 12H_2O \quad \Delta H = ? \\
1 & \text{exas} \quad \text{"-" dueto} \\
2 & \text{exas} \quad \text{exas}
\end{array}$$