

## HW2: Enthalpy, Entropy, Free Energy Concept Map

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Per: \_\_\_\_\_

**Directions:** Use the words below to create a concept map about the relationships between enthalpy, entropy, and Gibb's Free Energy. Do NOT just define all the terms. Use linking words and descriptions to completely describe the relationships between enthalpy, entropy and free energy. You may use the words more than once and you may add descriptive words.

Entropy	$\Delta H$	Disorder	$\Delta G$
Exothermic	Positive	$\Delta S$	Spontaneous
Endothermic	Negative	Joule	Nonspontaneous
Heat Absorbed	Entropy	Calorie	Hess's Law
Heat Released	Order	Temperature	Heat