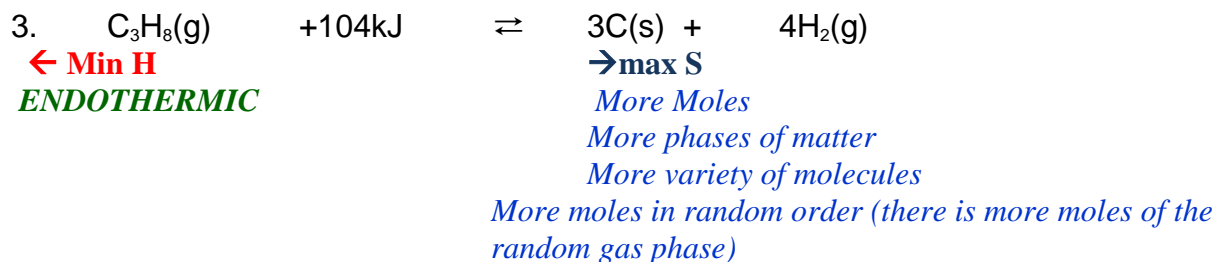
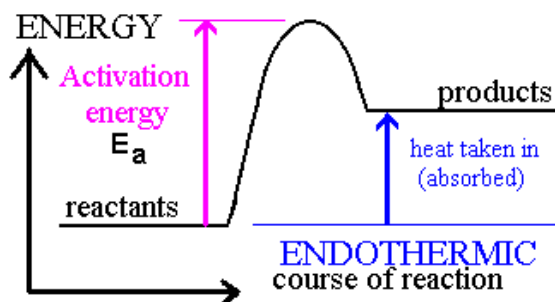
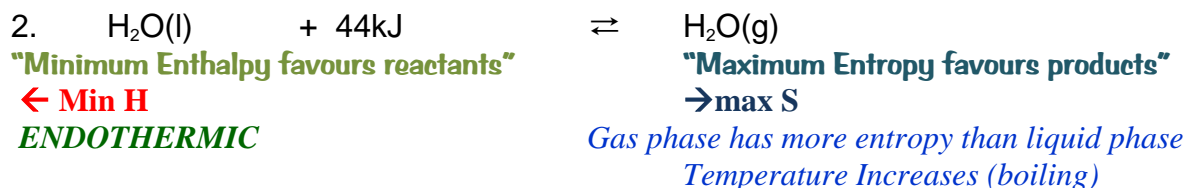
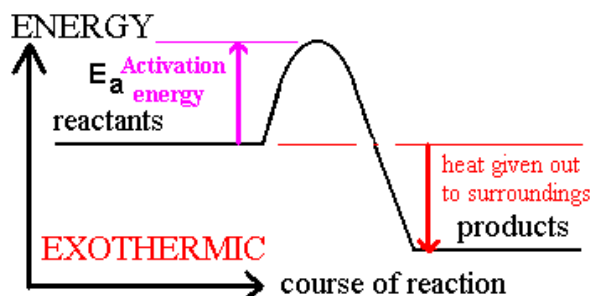
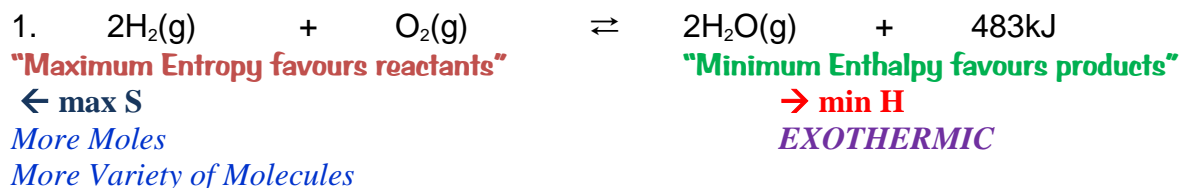
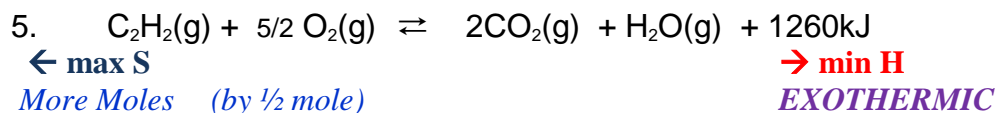
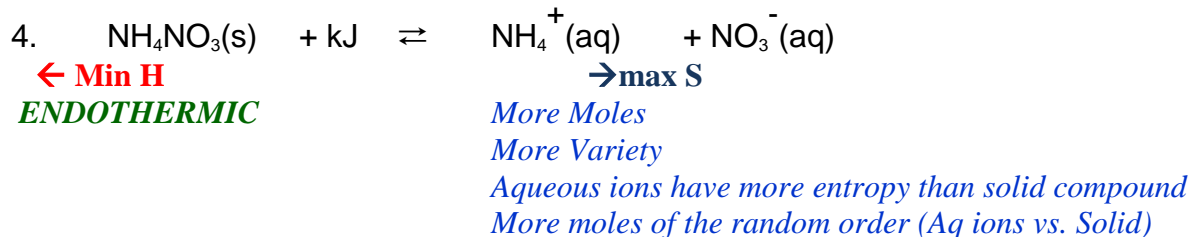


SAMPLE EXERCISES *max S* vs. *min H* **ANSWER KEY**

PREDICT WHICH DIRECTION maximum ENTROPY (S) & minimum ENTHALPY (H) PREFER IN THE FOLLOWING REVERSIBLE REACTIONS ("at equilibrium"). BE SURE TO JUSTIFY YOUR CHOICE WITH A CLEAR REASON FOR min. H and at least two reasons (or the most you can find) for max S IN EACH CASE!





No other reason can be found.

If I am desperate for a second reason, I can always use:

“The Second Law of Thermodynamics”

Which states that energy cannot be used to do work, without a loss to entropy.

(reading this reaction in reverse, which is the direction that entropy prefers, the energy is put INTO the reaction, so entropy will result, if this reaction goes from right to left)

