Phase Change Diagram

**Part 1**

1. Copy the following diagram onto a blank sheet of paper. Make it big enough to cover the whole paper.
2. Use the following terms and fill them in where they belong (states of matter in the circles, phases changes in the arrows): **Liquid, Melting, Condensation, Sublimation, Gas, Solid, Vaporization, Freezing, Deposition**
3. Next to the arrows write an EX if the process is exothermic and EN if endothermic (there should be 6 total, one by each arrow)
4. After you completed the poster continue onto Part 2

**Part 2**

**Answer the following questions in complete sentences on the back of your drawing**

1. Why are the changes grouped into the pairs shown on the diagram?
2. Below list the states of matter in the order of which has the molecules with the most orderly arrangement (1) to the least orderly arrangement (3).
3. True or False. The temperature changes during a phase change
4. Is there any pattern to which phases are endothermic and which phases are exothermic?