

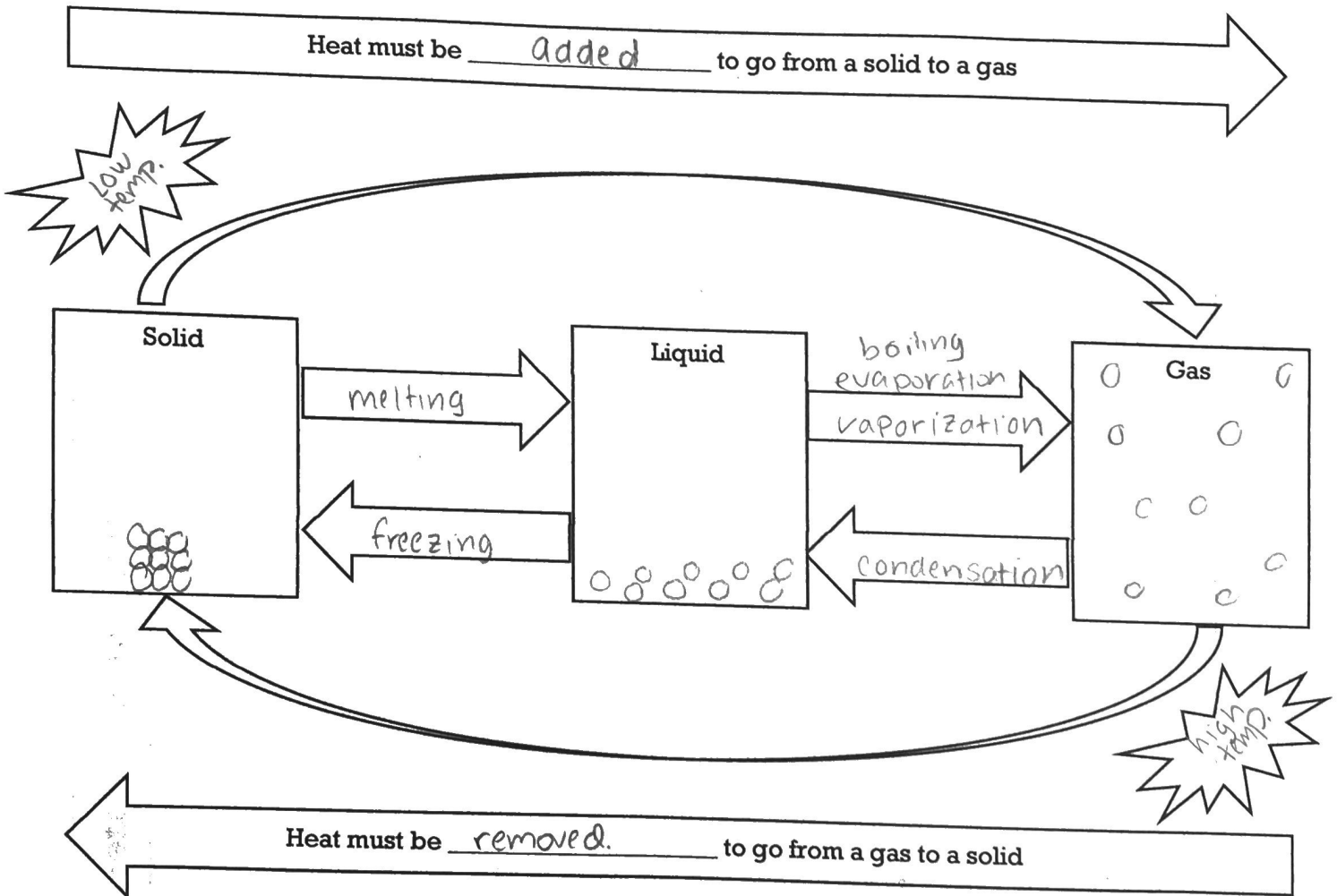
Name: KEY Per: \_\_\_\_\_ Date: \_\_\_\_\_  
 Teacher: \_\_\_\_\_ Official Class: \_\_\_\_\_ Chemistry

## Introduction to Heating and Cooling Curves

**YOYO:** Draw out 8 particles in each box for the given phase. Fill in the arrows with words in the word box below. I highly recommend using a pencil in case you make a mistake.

### Word Box

Melting \* Vaporization \* Sublimation \* Deposition \* Freezing \* Condensation \* Removed \* Added



### Heat vs. Temperature

- Heat, heat energy, or thermal energy
  - Energy associated with the movement of particles
  - A form of energy that flows between two samples of matter because of their difference in temperatures
  - Thermal energy transferred from a hotter system to a cooler system that are in contact
- Temperature
  - A measure of the average kinetic energy of the particles in a system
- Adding heat will increase a system's temperature, while removing heat will lower the temperature
- A heating curve is a graph that shows the temperature of a substance plotted against the amount of energy.

