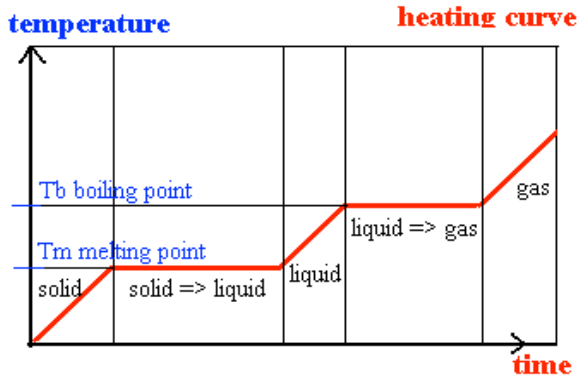
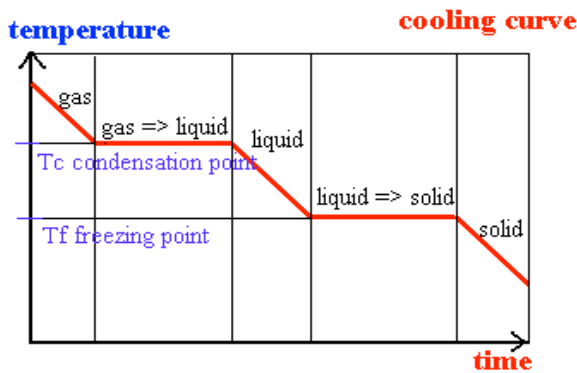


# HANDOUT: HEATING/COOLING CURVES & PHASE DIAGRAMS

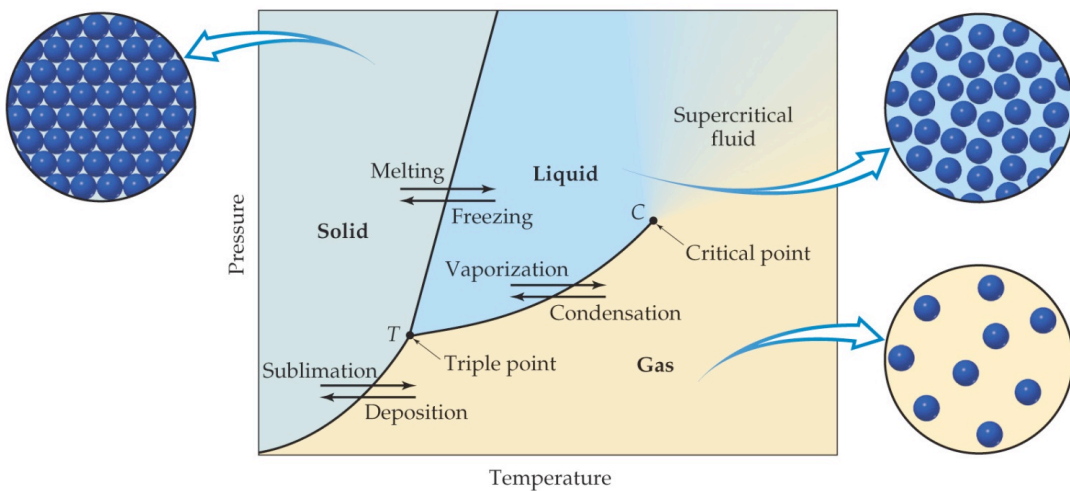


- Temperature remains \_\_\_\_\_ during the phase change between \_\_\_\_\_ → \_\_\_\_\_ and \_\_\_\_\_ → \_\_\_\_\_.
- A **heating curve** summarizes the changes of:
  - \_\_\_\_\_ → \_\_\_\_\_ → \_\_\_\_\_



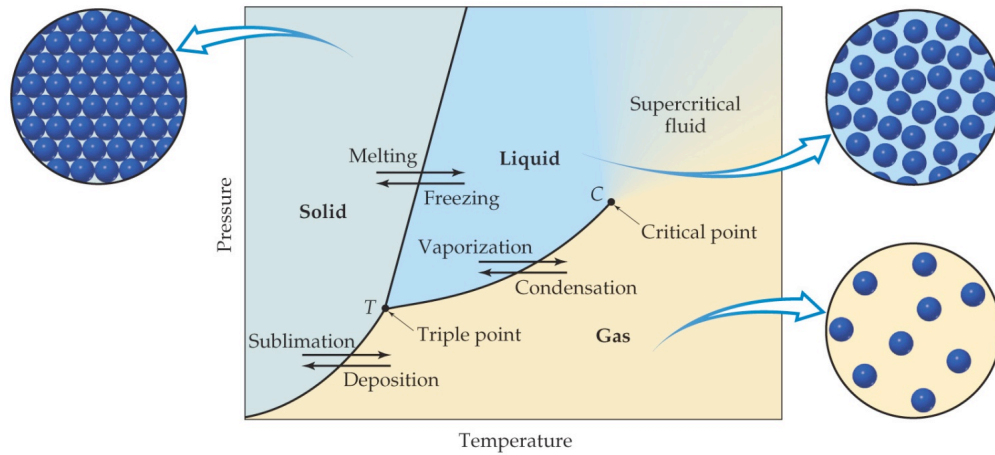
- Temperature remains \_\_\_\_\_ during the phase change between \_\_\_\_\_ → \_\_\_\_\_ and \_\_\_\_\_ → \_\_\_\_\_.
- A **cooling curve** summarizes the changes of:
  - \_\_\_\_\_ → \_\_\_\_\_ → \_\_\_\_\_

## PHASE DIAGRAMS:

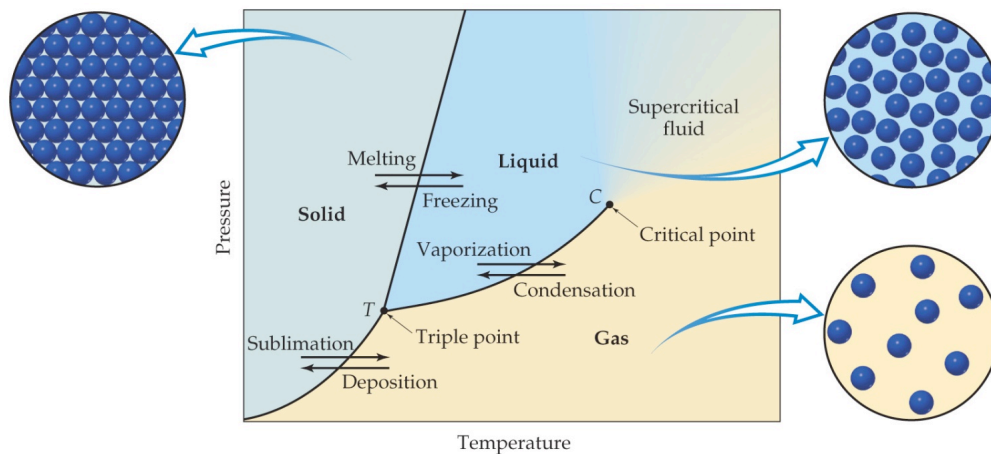


- Graph of \_\_\_\_\_ versus \_\_\_\_\_ that shows which \_\_\_\_\_ a substance exists under \_\_\_\_\_ conditions.
  - The circled line in diagram above is the \_\_\_\_\_ interface.
  - It starts at the \_\_\_\_\_, the point at which all \_\_\_\_\_ states are in \_\_\_\_\_.

- It ends at the \_\_\_\_\_; above this critical temperature and critical pressure, liquid and gas are \_\_\_\_\_ from each other.
- Each point \_\_\_\_\_ this line is the \_\_\_\_\_ point at that \_\_\_\_\_.



- The circled line in diagram above is the \_\_\_\_\_ interface.
- Each point \_\_\_\_\_ this line is the \_\_\_\_\_ point at that \_\_\_\_\_.



- Below the \_\_\_\_\_ point the substance \_\_\_\_\_ exist in the \_\_\_\_\_ state.
- \_\_\_\_\_ circled line, \_\_\_\_\_ and \_\_\_\_\_ phases are in \_\_\_\_\_.
- Each point \_\_\_\_\_ this line is the \_\_\_\_\_ point at that \_\_\_\_\_.