



**PART A – HEATING CURVES.** Use the heating curve below to answer the following questions.

1. What is the melting point of the substance? \_\_\_\_\_
2. What is the boiling point of the substance? \_\_\_\_\_
3. Which letter represents heating of the solid? \_\_\_\_\_
4. Which letter represents heating of the vapor? \_\_\_\_\_
5. Which letter represents melting of the solid? \_\_\_\_\_
6. Which letter represents boiling of the liquid \_\_\_\_\_

**PART B – PHASE DIAGRAMS.** Use the phase diagram for water below to answer the following questions.

6. What is the state of water at 2 atm and 50°  
\_\_\_\_\_
7. What phase change will occur if the temperature is lowered from 80°C to -5°C at 1 atm?  
\_\_\_\_\_

You have ice at -10°C and 1 atm. What could you do in order cause the ice to sublime?

