



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?

