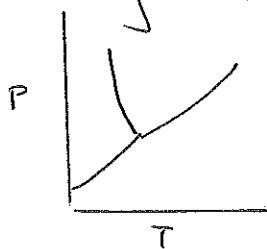
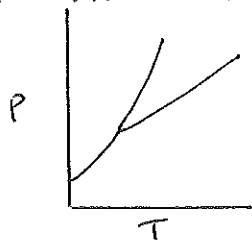
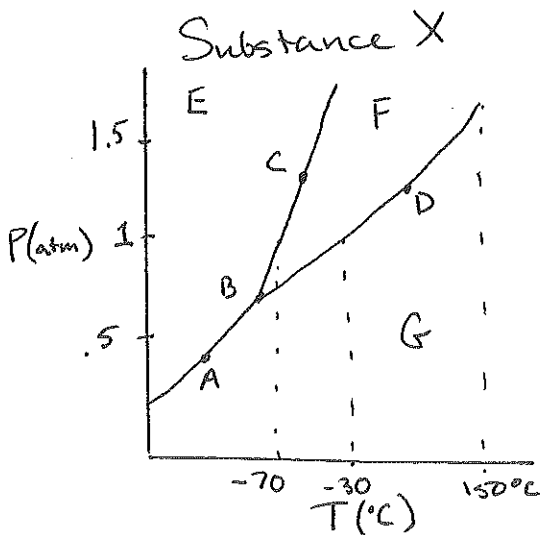


Phase Diagrams

I Which of the following is a phase diagram for water. How do you know? Elaborate.



II Answer the following questions based on the phase diagram shown below.



What phase(s) occur at

- A
- B
- C
- D
- E
- F
- G

Define critical temperature

What is the critical temp?

What is the normal MP?

What is the normal BP?

Where (name a pt) do the following phase transitions occur?
 melting _____ freezing _____ evaporation _____
 deposition _____ condensation _____ sublimation _____

Describe what will happen if a container of substance X is initially at .5 atm and 0°C and P is increased to 2 atm.

What will happen if the system is at .5 atm and 0°C and the temp is decreased to -200°C.