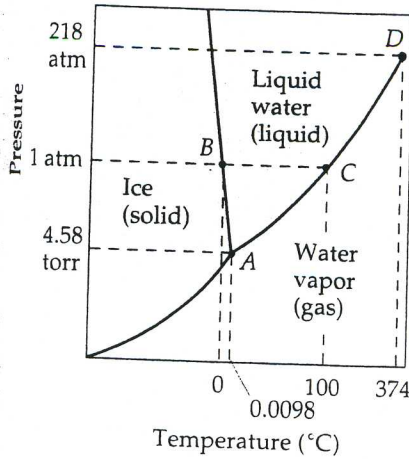
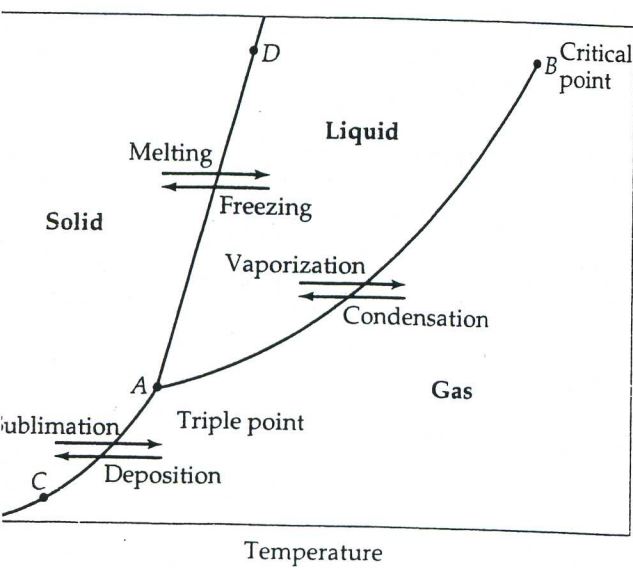
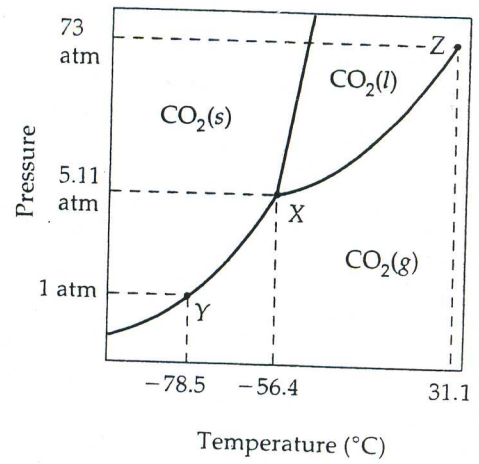


Name _____

W.S. Phase Diagrams



(a) Water



(b) CO₂

1. What is the letter that represents the triple point for H₂O? _____
CO₂? _____
2. What is the critical pressure for H₂O? _____ CO₂? _____
3. What is the critical temp. for H₂O? _____ CO₂? _____
4. At 1 atm, what temperature does CO₂ sublime? _____
5. What is the minimum pressure for CO₂(l) to exist? _____
6. What is the phase change that CO₂ undergoes if the pressure is changed from 1 atm to 20 atm at a temp. of 0°C? _____
7. Increasing the temp. of CO₂ from -60°C to 20°C at a pressure of 60 atm results in what phase change? _____