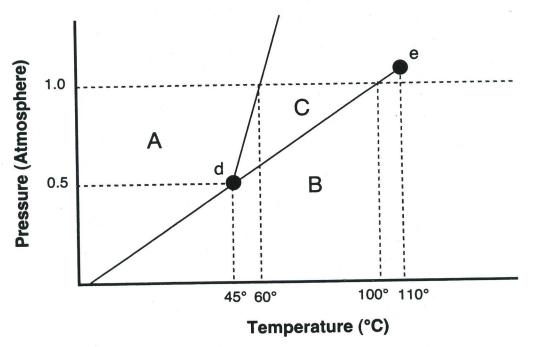
PHASE DIAGRAM

Name _____



Answer the following questions using the chart above.

- 1. What section represents the solid phase? _____
- 2. What section represents the liquid phase? _____
- 3. What section represents the gas phase? _____
- 4. What letter represents the triple point? _____
- What letter represents the critical point?
- 6. What is this substance's normal melting point? _____
- 7. What is this substance's normal boiling point? _____
- 8. Above what temperature is it impossible to liquify this substance no matter what the pressure? _____
- 9. At what temperature and pressure do all three phases coexist? ______
- 10. Is the density of the solid greater than or less than the density of the liquid?
- 11. Would an increase in pressure cause this substance to freeze or melt?