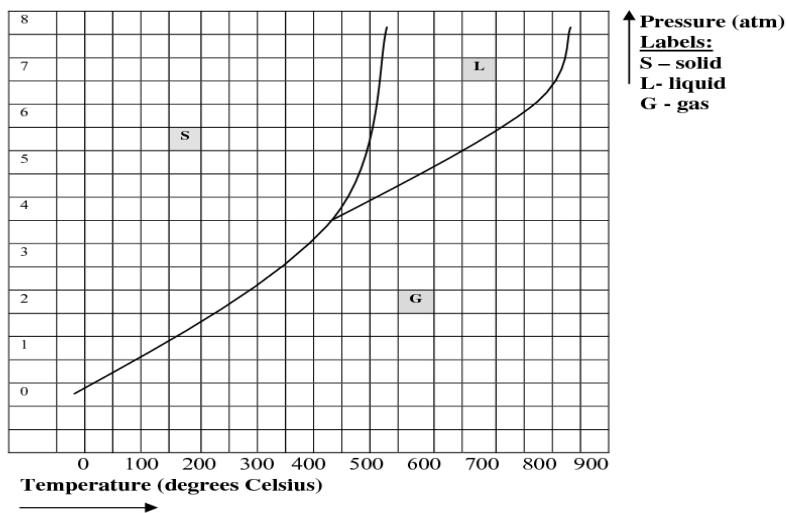


Phase Diagram Worksheet

Name _____ Date _____

(#1) For each of the questions on this worksheet, refer to the phase diagram for mysterious compound X.



- (1) If you were to have a bottle containing compound X in your closet, what phase would it most likely be in? _____
- (2) At what temperature and pressure will all three phases coexist? _____
- (3) If you have a bottle of compound X at a pressure of 3 atm and temperature of 100⁰C, what will happen if you raise the temperature to 400⁰C? _____
- (4) Why can't compound X be boiled at a temperature of 200⁰C?

- (5) Is it possible to drink compound X?

- (6) What is the critical temperature of compound X? _____