

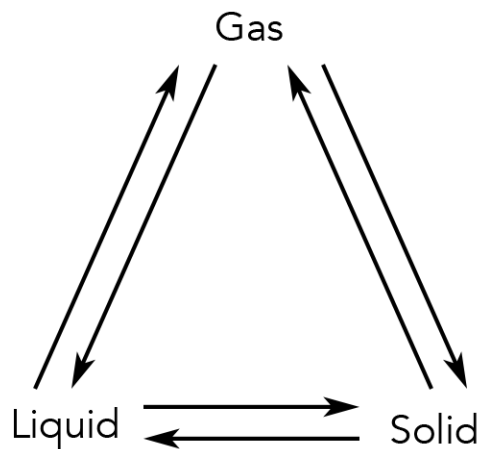
Phase Change Homework

1. How are kinetic energy and intermolecular forces involved in phase changes?

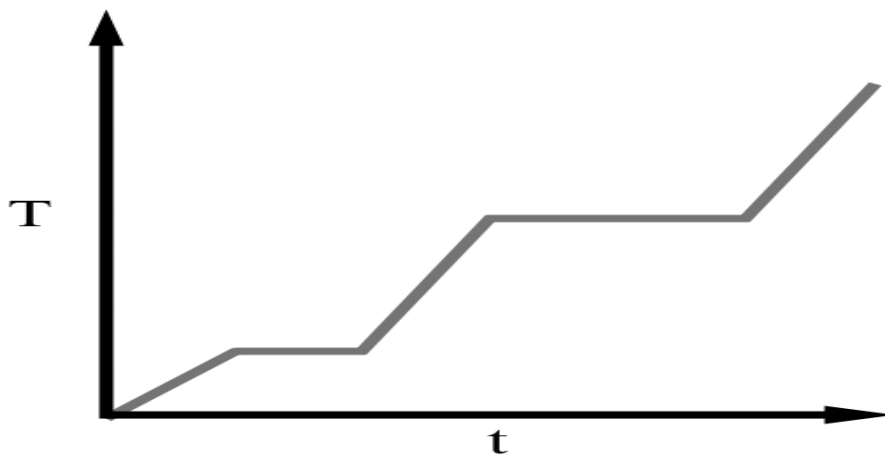
2. Fill in the table below.

	Solid	Liquid	Gas
Kinetic energy			
Intermolecular forces			
Compressibility			
Shape			
Volume			

3. Fill in the phase change triangle below.

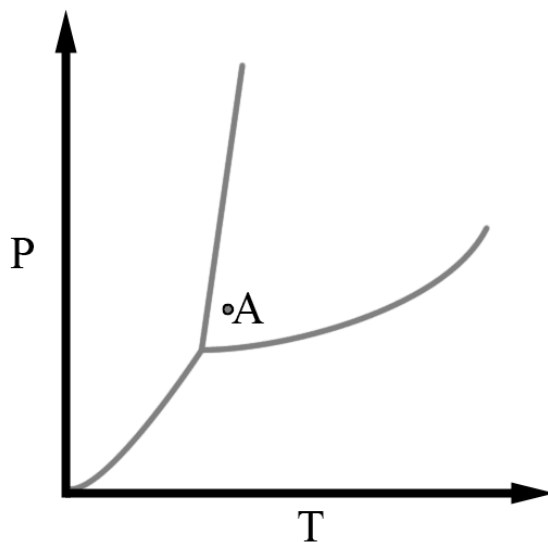


4. Label all states of matter and phase changes on the heating curve below.



5. Why are the flat regions on a heating curve significant?

6. Label all states of matter on the phase diagram.



7. If you start at point A, then what phase change will occur with increased pressure?
8. If you start at point A, then what phase change will occur with decreased temperature?

9. What is the significance of the triple point?

10. What is the significance of the critical point?