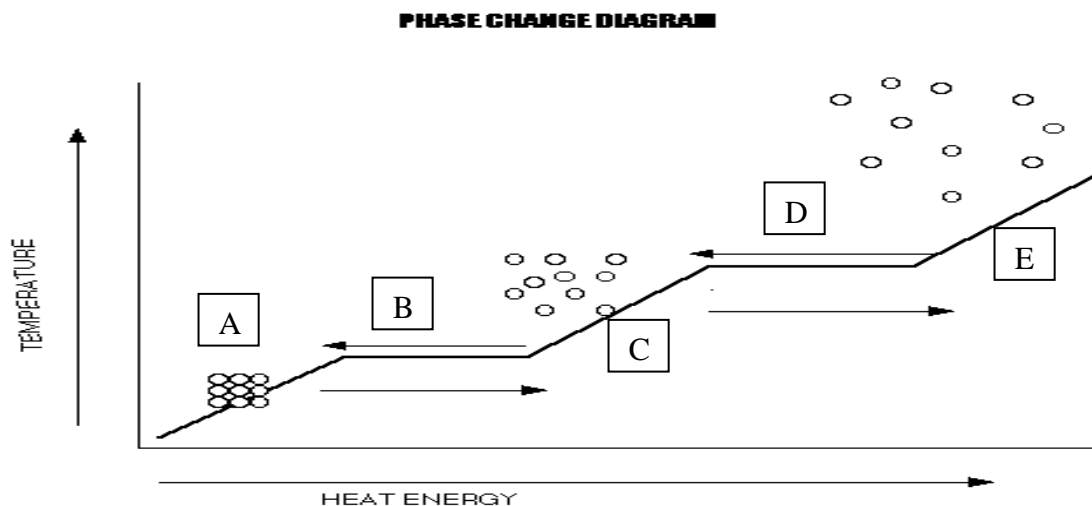


Honors Chemistry: Thermochemistry 5- Phase Change Problems Conceptual



1. In the diagram above, label all of the states of matter.
2. Assuming the above diagram is water, label the temperatures of the flat portions of the diagram above.
3. In the first rising portion of the graph (a), describe what is happening as energy is added. Discuss this in terms of the kinetic molecular theory.
4. In the 1st flat portion of the graph (b), describe what is happening as energy is added. Discuss this in terms of bonding forces of attraction.
5. In the 2nd rising portion of the graph (c), describe what is happening as energy is added. Discuss this in terms of the kinetic molecular theory.
6. In the 2nd flat portion of the graph (d), describe what is happening as energy is added. Discuss this in terms of bonding forces of attraction.

