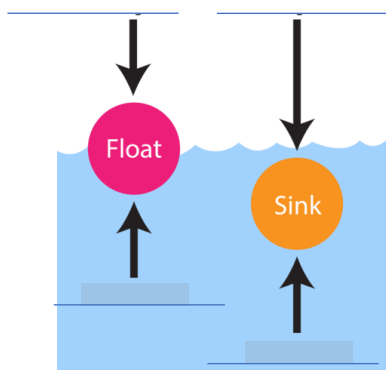


Chapter 14 Review

- 1) Which law states that volume increases with temperature?
- 2) What is the SI unit of pressure?
- 3) What term is used to describe the amount of force exerted per unit of area?
- 4) What do we call the point when a solid begins to liquefy?
- 5) What theory is used to explain the behavior of particles in gases?
- 6) What do we call the ability of a fluid to exert an upward force on an object?
- 7) At what temperature is the pressure of the vapor in a liquid equal to the external pressure on that liquid?
- 8) What is the amount of energy needed to change a solid to a liquid at its melting point called?
- 9) Label the forces in the following diagram. *(Remember that forces are represented by arrows.)*



- 10) Give an example of Pascal's principle.
- 11) Give an example of Bernoulli's principle
- 12) Look at the following heating curve and tell me what is happening at each letter on the graph.
- 13) How would you describe the arrangement of particles in a solid?
- 14) Do the particles in a solid move? If so, how much?
- 15) How would you describe the arrangement of particles in a liquid?
- 16) Do the particles in a liquid move? If so, how much?
- 17) How would you describe the arrangement of particles in a gas?
- 18) Do the particles in a gas move? If so, how much?
- 19) In which state of matter do particles stay close together, yet can slide past each other?
- 20) If you place two blocks in water and one sinks while the other floats, what do you know about the densities of the blocks?