

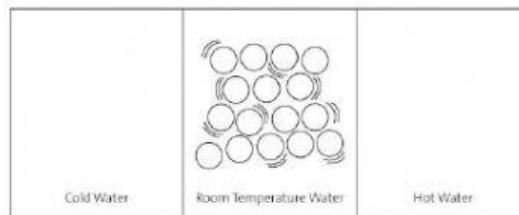
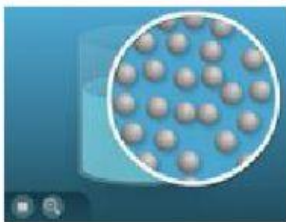
Assumption College Ubonratchathani
English for Science 3

Name _____ Class _____ No _____

Effect of Heat/Temperature on Liquid, Solid and Solid

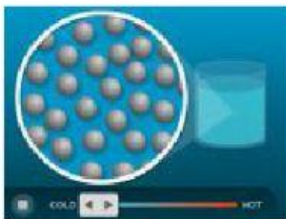
True or False

Particles of a Liquid



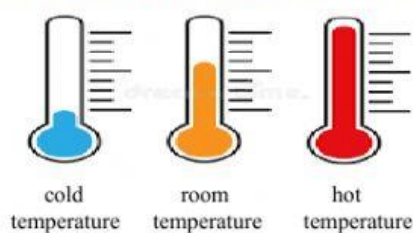
- ___ 1. Temperature is a measure of how much heat you have in, or around you.
- ___ 2. The molecules of water are not moving when no heat is applied.
- ___ 3. The water molecules are near each other because of their attractions to each other.
- ___ 4. The water molecules can move past each other but their attractions keep them from moving far apart from each other.

Heating and Cooling a Liquid



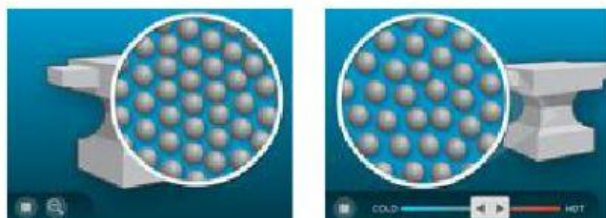
- ___ 5. The molecules in cold water move faster and a little further apart than in hot water.
- ___ 6. The molecules in hot water move faster than in room temperature water.
- ___ 7. The presence of heat has no effect on the motion of water molecules.

Heated and Cooled Thermometers



- ___ 8. When the thermometer is heated, the molecules move faster, get slightly further, and move up in the tube.
- ___ 9. When the thermometer is cooled, the molecules move slowly, get closer together, and move down in the tube.

Heating and Cooling a Solid



- ___ 10. The atoms of solid are strongly attracted to each other.
- ___ 11. The atoms of solid vibrate but do not move past each other because of the strong attraction between the atoms of the solid.
- ___ 12. When a solid is heated, the particles move slower and move slightly closer together.

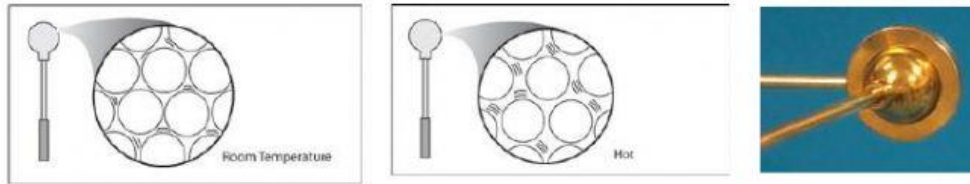
Comparing Solid and Liquid



- ___ 13. The molecules of a liquid are attracted to each other, but move freely than the atoms of a solid.

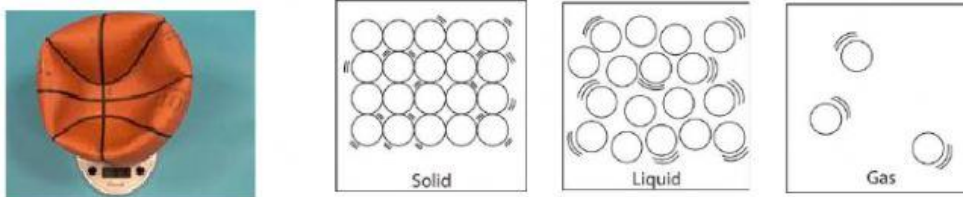
- ___ 14. The molecules of a liquid are able to move past one another, but the molecules of a solid are not able to move past one another.

Heating and Cooling a Metal Ball



- ___ 15. When the metal ball was heated, it can fit or enter the ring
- ___ 16. When the metal ball is heated, the atoms vibrate faster. Their motion competes with their attractions and move a little further apart.
- ___ 17. When a solid is cooled, the particles move faster and move slightly further apart.
- ___ 18. At room temperature, the atoms in the ball vibrate but do not move past each other.

Does Air Have Mass?



- ___ 19. Air has no mass.
- ___ 20. The particles (atoms or molecules) of a gas have a very little attraction for one another.