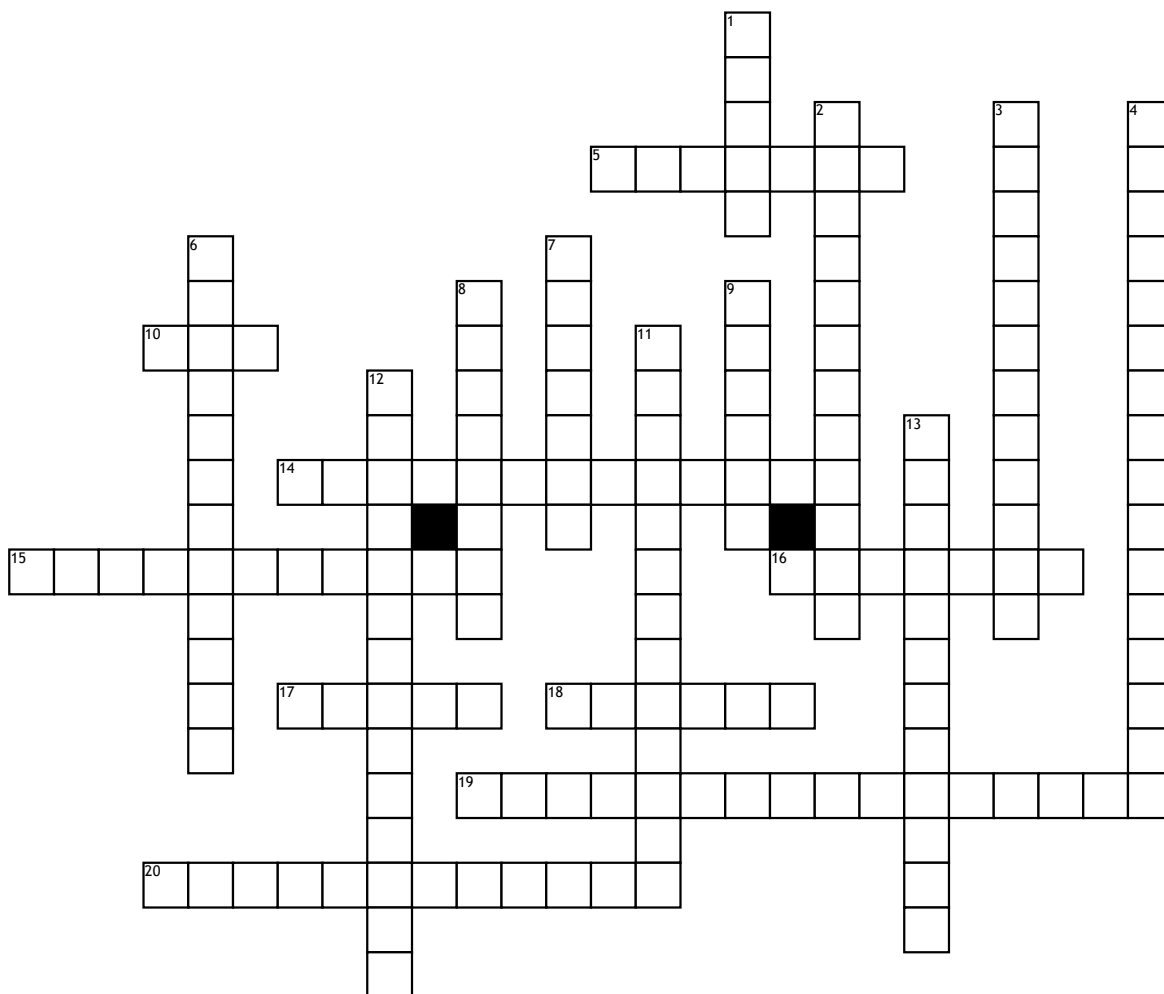


Name: _____ Date: _____ Period: _____

Phase Changes of Matter



Across

5. Solid where the atoms form a periodic arrangement
 10. Fluid, not set volume or shape, will fill container
 14. 32 degrees fahrenheit, 0 degrees celsius
 15. Chemical process where a solid turns into a gas without going through a liquid stage
 16. Rapid vaporization of a liquid
 17. In general, the most dense phase of matter is
 18. Ionized gas, a gas into which sufficient energy is provided to free electrons from atoms or molecules and to allow both species, ions and electrons, to coexist.

19. Any characteristic of a material that can be observed or measured without changing the composition of the substances in the material
 20. Water that collects as droplets on a cold surface when humid air is in contact with it

Down

1. physically distinctive form of matter, such as a solid, liquid, gas or plasma
 2. a phase transition from the liquid phase to vapor
 3. When the temperature increases enough for the substance to turn from solid to liquid
 4. Property of matter only evident by transforming the substance
 6. the ability of a substance to burn or ignite, causing fire or combustion

7. make or become liquefied by heat
 8. phase transition in which a liquid turns into a solid when its temperature is lowered below its freezing point
 9. Fluid, set volume but not shape
 11. Process of a substance in a liquid state changing to a gaseous state due to an increase in temperature and/or pressure
 12. Any change in size, shape, or phase of matter in which the identity of a substance does not change, is considered
 13. An increase of temperature of liquids where bubbles form and heat up