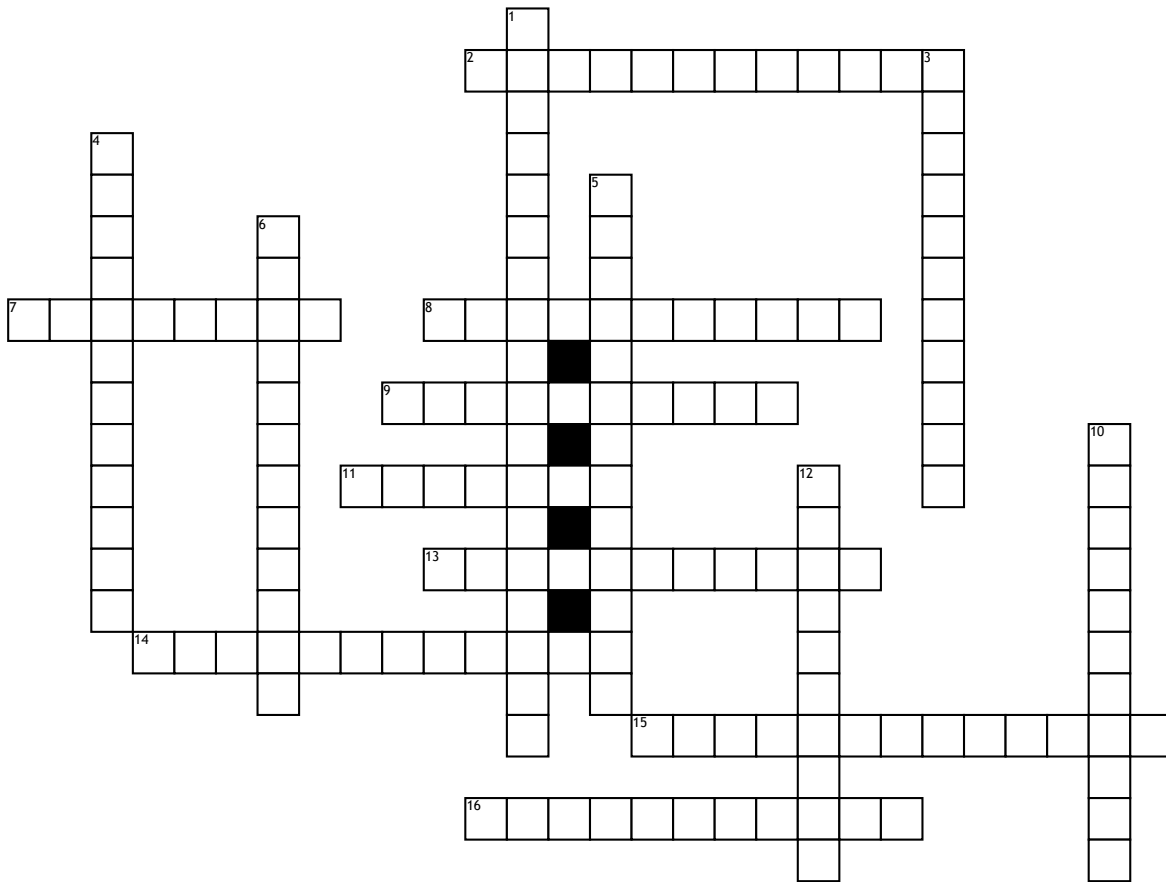


Phase Changes



Across

- 2. A crystalline solid is the temperature at which the forces holding its crystal lattice together are broken and it becomes a liquid.
- 7. The process when a substance changes from a liquid to solid.
- 8. When a temperature changes, matter undergoes a _____, shifting from one to another.
- 9. The action of something when molecules settle out of a solution
- 11. The process when a substance changes from a solid to liquid.
- 13. Change from a liquid to a vapor.

- 14. Process that occurs when a chemical or element is converted from a liquid or solid to a gas.
- 15. The pressure exerted by a vapor over a liquid.
- 16. Transition from the solid phase to the gas phase without passing through an intermediate liquid phase

Down

- 1. The energy a substance must absorb in order to change from a solid to a liquid.
- 3. The point on a phase diagram that represents the temperature and pressure at which three phase of a substance can coexist.

- 4. A graph of pressure versus temperature that shows in which phase a substance exists under different conditions of temperature and pressure.
- 5. The _____ is the temperature at which a liquid is converted into a crystalline solid.
- 6. Process by which water vapor in the air is changed into water.
- 10. Accompanied by or requiring of heat.
- 12. Accompanied by the release of heat.