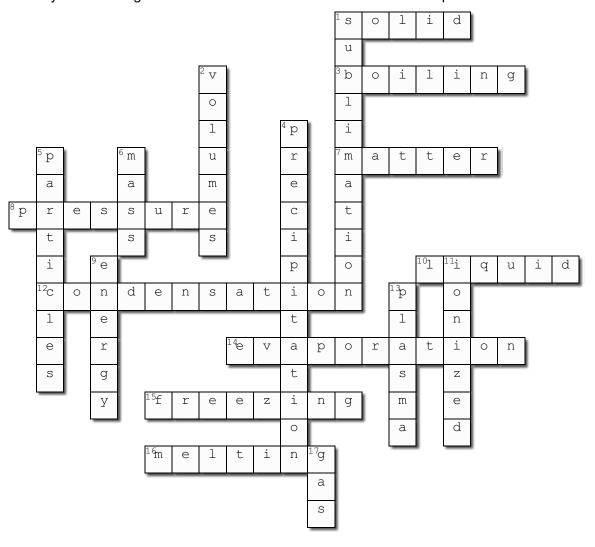
Name:		

State of Matter Crossword Puzzle

Use your knowledge of states of matter and state transitions to complete this crossword



Across

- **1.** The state of matter with definite mass, volume, and shape. (**solid**)
- **3.** Phase transition from a liquid to a gas. (**boiling**)
- 7. It occupies space and has mass. (matter)
- 8. Most substances can exist in three states of matter (solid, liquid, gas) depending on temperature and . (pressure)
- **10.** Particles in this state of matter are more loosely packed, allowing them to flow around each other. (**liquid**)
- **12.** The conversion of a vapor or gas to a liquid state. (**condensation**)
- **14.** The process by which a liquid turns into a gas, typically at temperatures below its boiling point. (**evaporation**)
- **15.** Phase transition from a liquid to a solid state. (**freezing**)
- **16.** Process in which a solid substance changes into a liquid state. (**melting**)

Down

- 1. During the change of state, particles of a solid don't pass through the liquid state as they form a gas. (sublimation)
 2. Solid, liquid, and gas increase their

 when heated. (volumes)
 4. Snow, rain, hail, and sleet are examples of

 (precipitation)
 5. In a gas

 are arranged randomly and move freely with high kinetic energy. (particles)
 6. The measure of the quantity of matter in an object.
- (mass)
 9. Adding or removing ______from matter
 causes it to transition from one state to another.
 (energy)
- 11. Matter in plasma state are considered to be _____ because electrons have been stripped away from the atoms. (ionized)
- **13.** The most common and abundant state of matter in the visible universe. (**plasma**)
- **17.** It has indefinite shape and volume but definite mass. (**gas**)