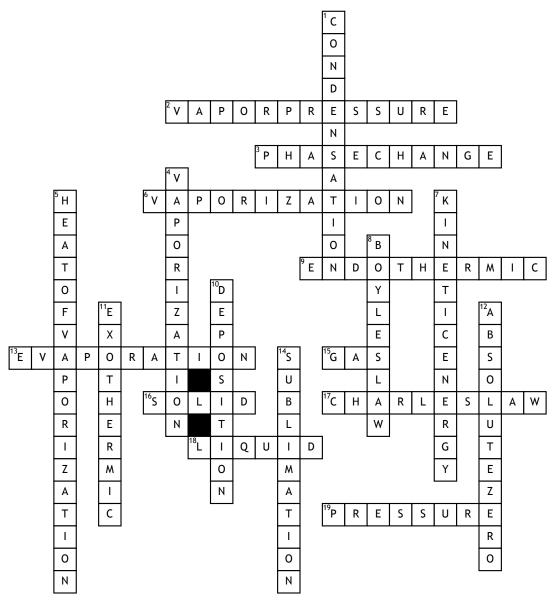
Name:	Date:

States of Matter



Across

- **2.** The pressure caused by the collisions of particles in a vapor with the walls of a container
- **3.** A reversable physical change that occurs when a substanve changes states of matter
- **6.** The energy a substance must absorb into change from solid to liquid
- **9.** A description of change in which a system absorbs energy from it's surroundings
- **13.** The process that changes a substance from liquid to gas based on temperature
- **15.** The state of matter in which ba material has neither a definite shape or a definite volume

- **16.** The state of matter in which materials have a definite shape and a definite volume
- **17.** The direct proportion of the volume of a gas to it's temperature if it is constant
- **18.** The state of matter in which a material has a definite volume but not a definite shape
- **19.** A result of force distibuted over an area

Down

- The phase change in which a substance changes from a gas or vapor to a liquid
- **4.** The phase change in which a substance changes from liquid to gas

- **5.** The energy a substance must absorb in order to change from solid to liquid
- **7.** The energy an object has due to it's motion
- **8.** The inverse relationship between volume and gas
- **10.** The phase change in which a gas or vapor changes directly into a solid without first changing into a liquid
- **11.** A description of change in which a system releases energy to it's surroundings
- 12. A temperature of zero Kelvins
- **14.** The phase change in which a substance changes from a solid to a gas or vapor without changing to a liquid first