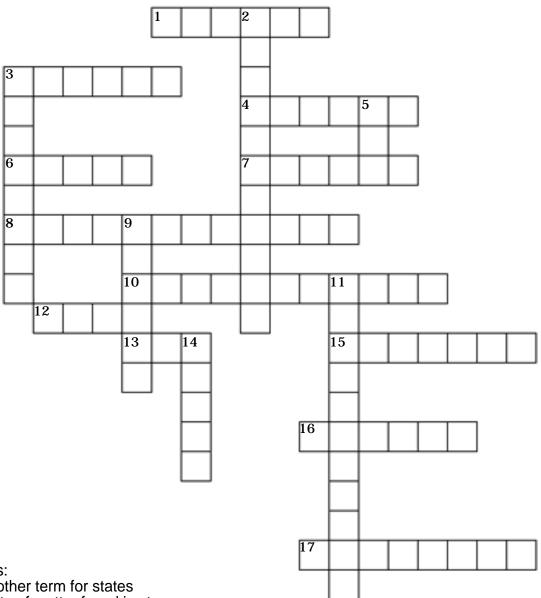
Brain POP - States of Matter http://www.brainpop.com/science/matter

Name			

Watch the "States of Matter" movie to help you complete this worksheet.

1. What are the three main states of matter?								
2. Matter is anything th								
	It is co	mposed of		•				
3. Solids have a fixed _		and		The particles in a				
		to create a firm						
examples of solids are								
4. Liquids have a definite	9	, but not	a definite	The				
particles in a liquid are ab								
take the shape of the		and are able to		like a river.				
Examples of a liquids are			, and	.				
5. Gases have no fixed tendency to, or	filling an	y container. Exam						
6. The fourth state of mat	ter is	It can only be	e created at high	or				
low								
Plasma is found in	lights o	r thermal	react	ors.				
7. Changing the	or		causes matte	er to change states.				
Click "How do states match each process to			are finished w	ith the movie, then				
Freezing •	Process of a liquid changing into a gas							
Melting •	 Process of a gas changing into a solid or a solid changing into a gas without going through the liquid phase. 							
Evaporation •	Process of a liquid changing into a solid							
Condensation •	Process of a solid changing into a liquid							
Sublimation•	Process of a gas changing into a liquid							

Use the terms from the "States of Matter" lesson to complete the puzzle.



Across:

- 1. Another term for states
- 3. State of matter found in stars
- 4. State of matter with a fixed volume, but no fixed shape.
- 6. Gaseous state of water
- 7. Anything that has mass and occupies space
- 8. Gas changing into a liquid, such as water vapor changing into water
- 10. Liquid changing into a gas, such as water changing into water vapor
- 12. There are __ states of matter including plasma.
- 13. State of matter with no fixed volume of shape.
- 15. Solid changing into a liquid, such as ice changing to water
- 16. Solid state of carbon dioxide
- 17. Liquid changing into a solid, such as water changing to ice

Down:

- 2. Gas changing into a solid or a solid changing into a gas; no liquid phase
- 3. A change in state is a ____ change.
- 5. Solid state of water
- Solids have the lowest amount of _
- 11. Changing ___ causes a change in state
- 14. State of matter with a fixed volume and shape