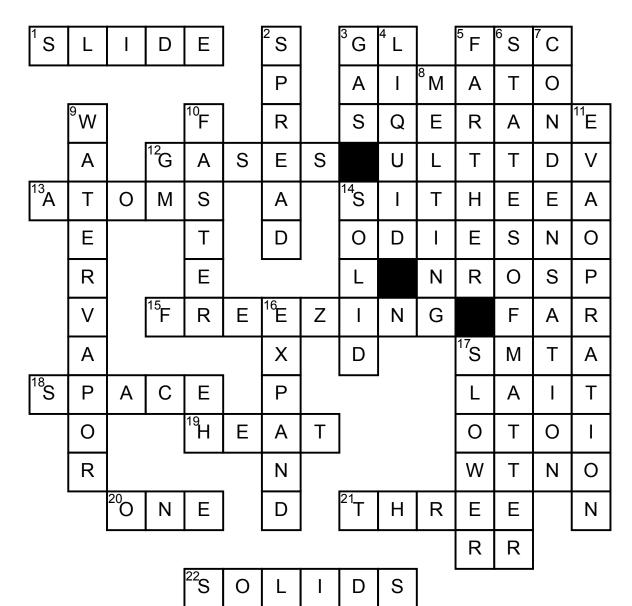
Name:	Date:
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States of Matter



Across

1.	The	particles in liquids	
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- **12.** In _____, atoms move the fastest.
- **13.** The basic building blocks of matter
- **15.** The change in a state of matter from a liquid to a solid.
- **18.** A solid always takes up the same amount of this.
- **19.** You can change the state of matter by either adding or subtracting
- **20.** The particles in a solid state move around _____ point.

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22. The particles in ____ move back and forth in place.

Down

- **2.** Matter in a gas state will _____ out to fill its container.
- **3.** A state of matter that has no fixed shape and no fixed volume.
- **4.** A state of matter that has no fixed shape but that has a definite volume.
- **5.** Particles in a gas are ____ apart than the particles in a liquid.
- **6.** The three forms of matter (liquid, solid, gas). (3 words)

- **7.** The change in a state of matter from a gas to a liquid.
- **8.** The change in a state of matter from a solid to a liquid.
- 9. The gas state of water.
- **10.** If you add heat to matter, the atoms that make up the matter will begin to move _____.
- **11.** The change in a state of matter from a liquid to a gas.
- **14.** A state of matter that has a definite shape and a definite volume.
- **16.** Gases _____ to fill whatever space is available to them.
- **17.** If you subtract heat from matter, the atoms that make up the matter will begin to move _____.