Name: $\qquad$ Date: $\qquad$

## States of Matter



## Across

1. The particles in liquids $\qquad$ past each other.
2. In $\qquad$ atoms move the fastest.
3. The basic building blocks of matter.
4. The change in a state of matter from a liquid to a solid.
5. A solid always takes up the same amount of this.
6. You can change the state of matter by either adding or subtracting
$\qquad$ .

## 20. The particles in a solid state

 move around $\qquad$ point.21. The number of states of matter.
22. The particles in $\qquad$ move back and forth in place.

## Down

2. Matter in a gas state will $\qquad$ 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 $\qquad$ .
11. The change in a state of matter from a liquid to a gas.
12. A state of matter that has a definite shape and a definite volume.
13. Gases $\qquad$ to fill whatever space is available to them.
14. If you subtract heat from matter, the atoms that make up the matter will begin to move $\qquad$ _.
