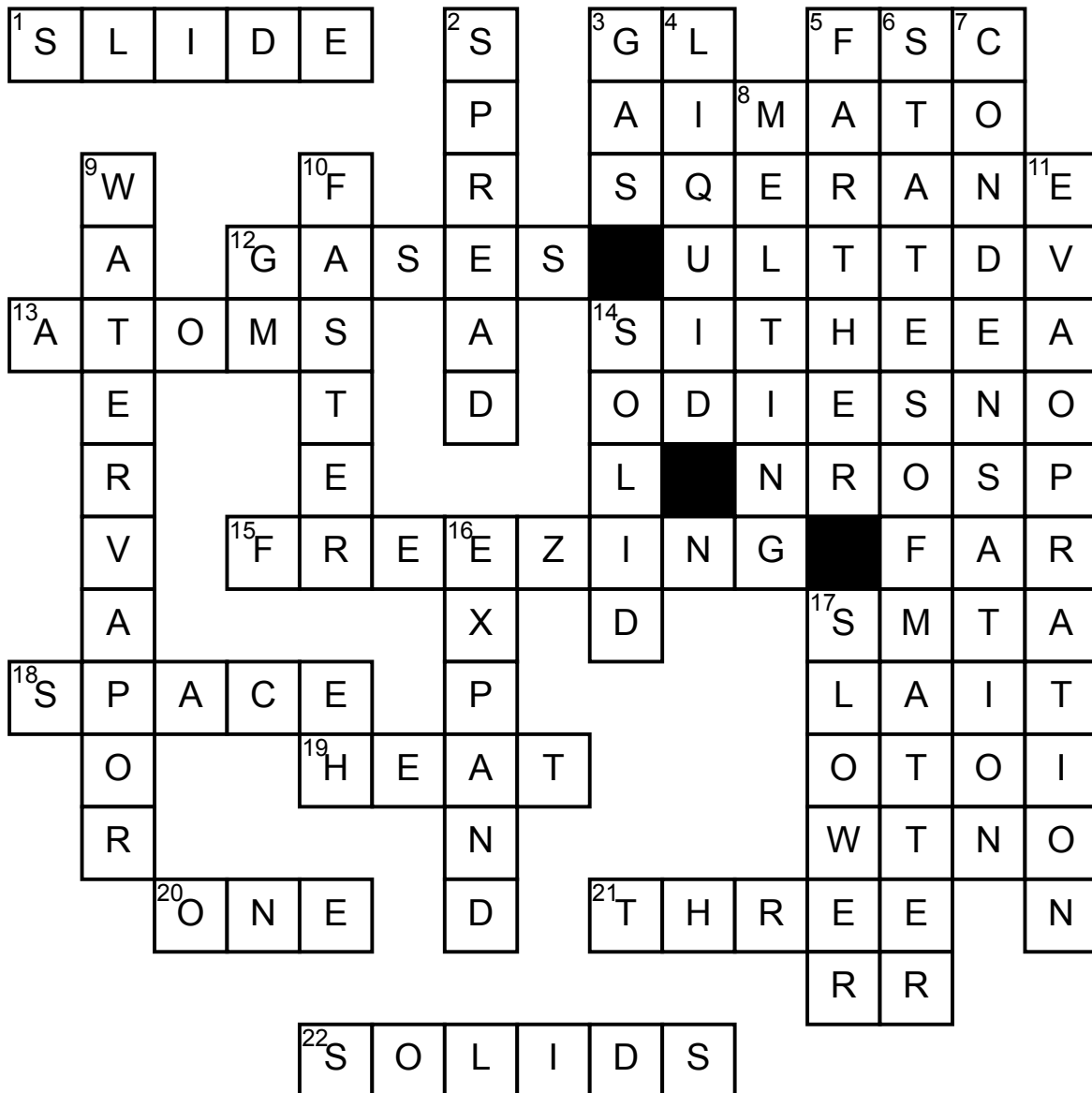


Name: _____

Date: _____

States of Matter



Across

1. The particles in liquids _____ past each other.
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.

21. The number of states of matter.

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 _____.