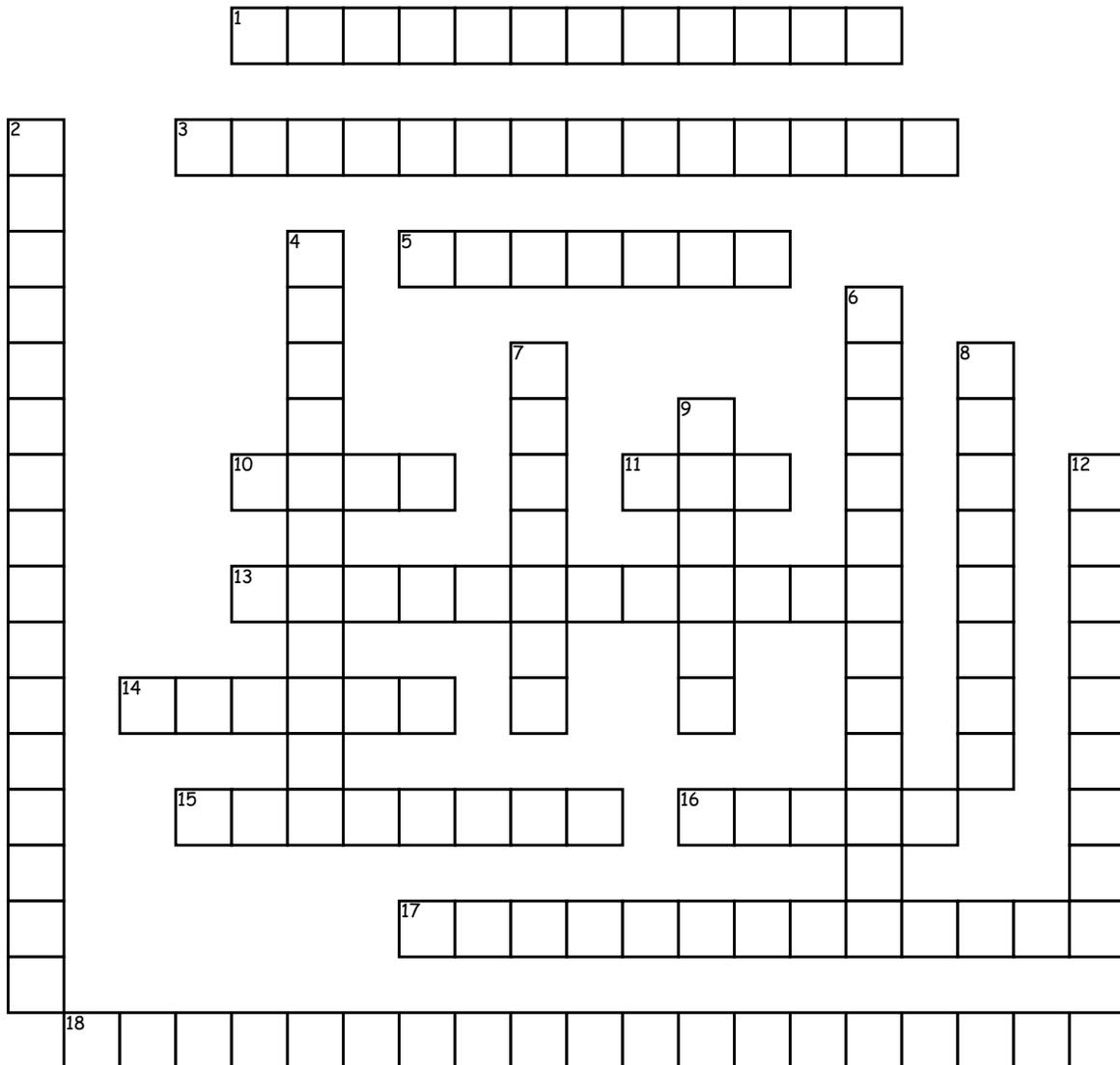


Name: _____

States of Matter



Across

1. upward force exerted on an object immersed in a fluid
3. the uneven forces acting on the particles on the surface of a liquid.
5. change of matter from a solid state to a liquid state.
10. the movement of thermal energy from a substance at a higher temperature to a substance at a lower temperature
11. matter that does not have a definite shape or volume; has particles that move at high speeds in all directions

13. the process by which matter changes from a liquid state to a gas.

14. matter with definite volume but no definite shape that can flow from one place to another

15. force exerted on a surface divided by the total area over which the force is exerted

16. matter with a definite shape and volume; has tightly packed particles that move mainly by vibrating

17. energy that all objects have that increases as the object's temperature increases

18. states that the buoyant force on an object is equal to the weight of the fluid displaced by the object

Down

2. states that when a force is applied to a confined fluid, an increase in pressure is transmitted equally to all parts of the fluid
4. measure of the average kinetic energy of the individual particles of a substance
6. change of matter from a gas to a liquid state
7. mass of an object divided by its volume
8. change of matter from a liquid state to a solid state
9. anything that takes up space and has mass.
12. a liquid's resistance to flow