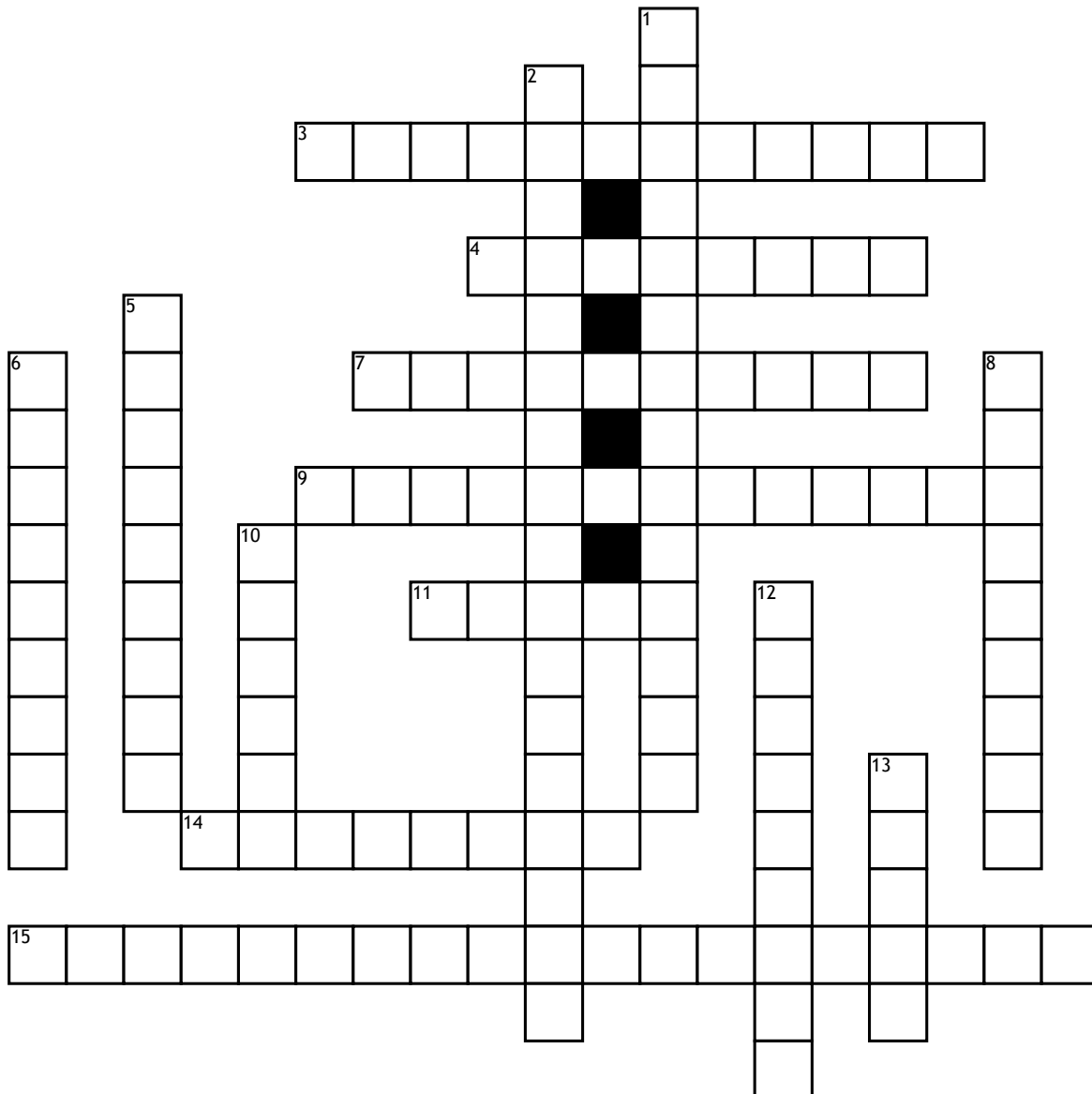


STATES OF MATTER



Across

3. volume of a gas is directly related to the number of moles of gas.

4. gas obeys $PV = nRT$

7. this law gives the relationship between volume and temperature of a given mass of gas at constant pressure.

9. the energy required to increase the surface area of the liquid by one unit is called as -----.

11. amount of gas is given in these units

14. each line of the volume vs temperature graph is called -----

15. above this temperature a gas cannot be liquified.

Down

1. the shape or rain drops are spherical due to this property of liquid

2. Attractive intermolecular forces are known as -----

5. because of this property honey flow less easily than water.

6. on adding detergent surface tension of water -----.

8. tyre of bicycle burst during summer. this is a practical application of which law.

10. this law gives the relationship between pressure and volume of a given amount of gas at constant temperature.

12. pressure vs volume graph at constant temperature is called -----

13. T, P, V and n are macroscopic measurable -----variables.