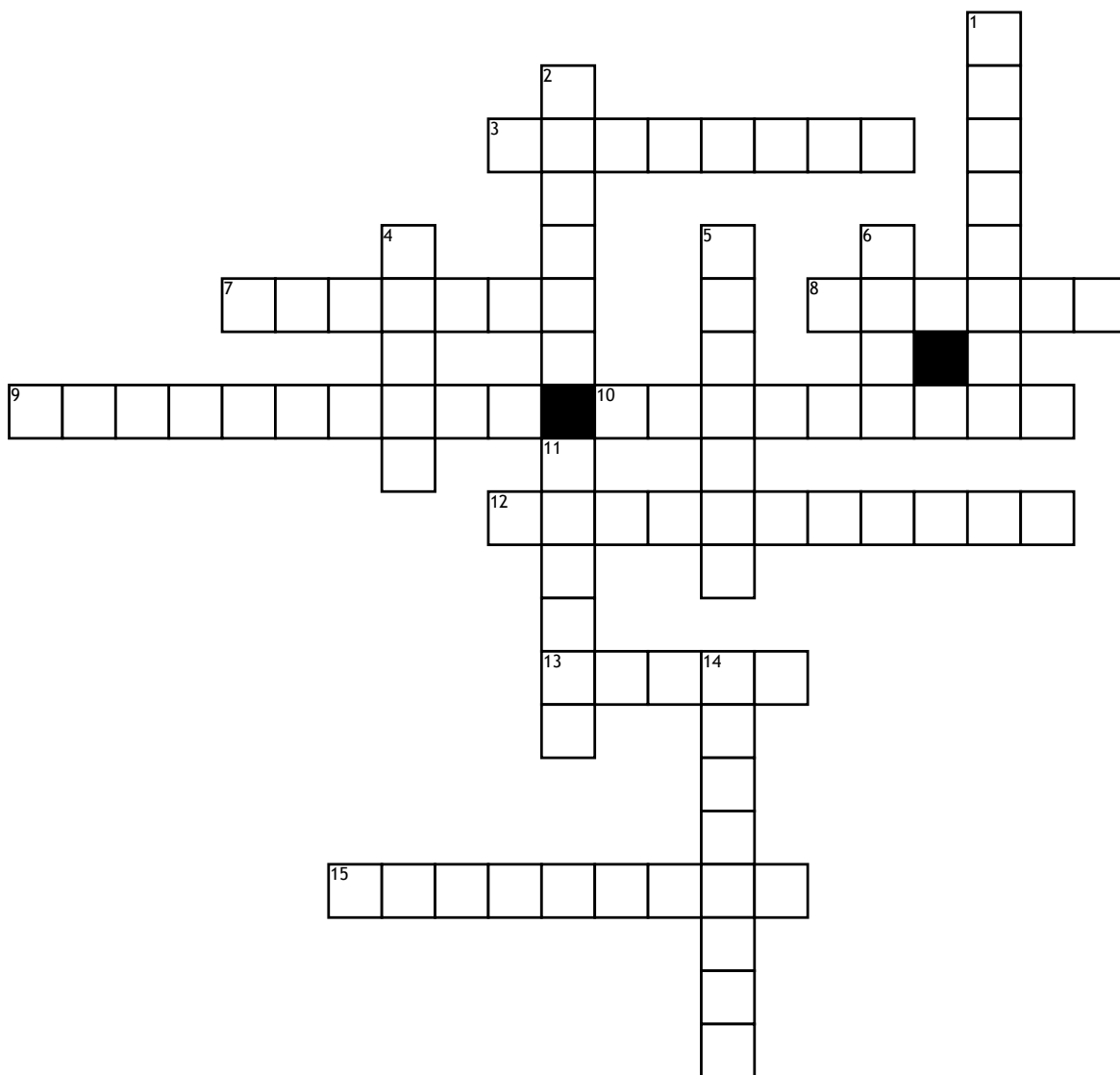


Name: _____

Date: _____

Science worksheet



Across

3. The combination of three gas laws (Boyles, Charles and Gay Lussac)
 7. Application of Boyles Law
 8. amount of space/gas occupied
 9. Unit of pressure
 10. a scientific instrument used to measure air pressure.
 12. measure of KE of the particles

13. states that $P \times V = n \times (R) \times T$, where P is pressure, V is volume, n is the number of moles of molecules, T is the absolute temperature, and R is the gas constant (8.314 joules per degree Kelvin or 1.985 calories per degree Celsius).

15. Law that describe the relationship between temperature and pressure

Down

1. effect of forces of a colliding molecules
 2. states the volume is inversely proportional to pressure at constant temperature

4. Unit of volume

5. law that tends to describe how volume change when temperature increase or decrease

6. a standard scientific unit for measuring large quantities of very small entities such as atoms, molecules, or other specified particles.

11. is the primary unit of temperature measurement in the physical sciences, but is often used in conjunction with the degree Celsius

14. states that the volume of gas is directly proportional to the number of moles