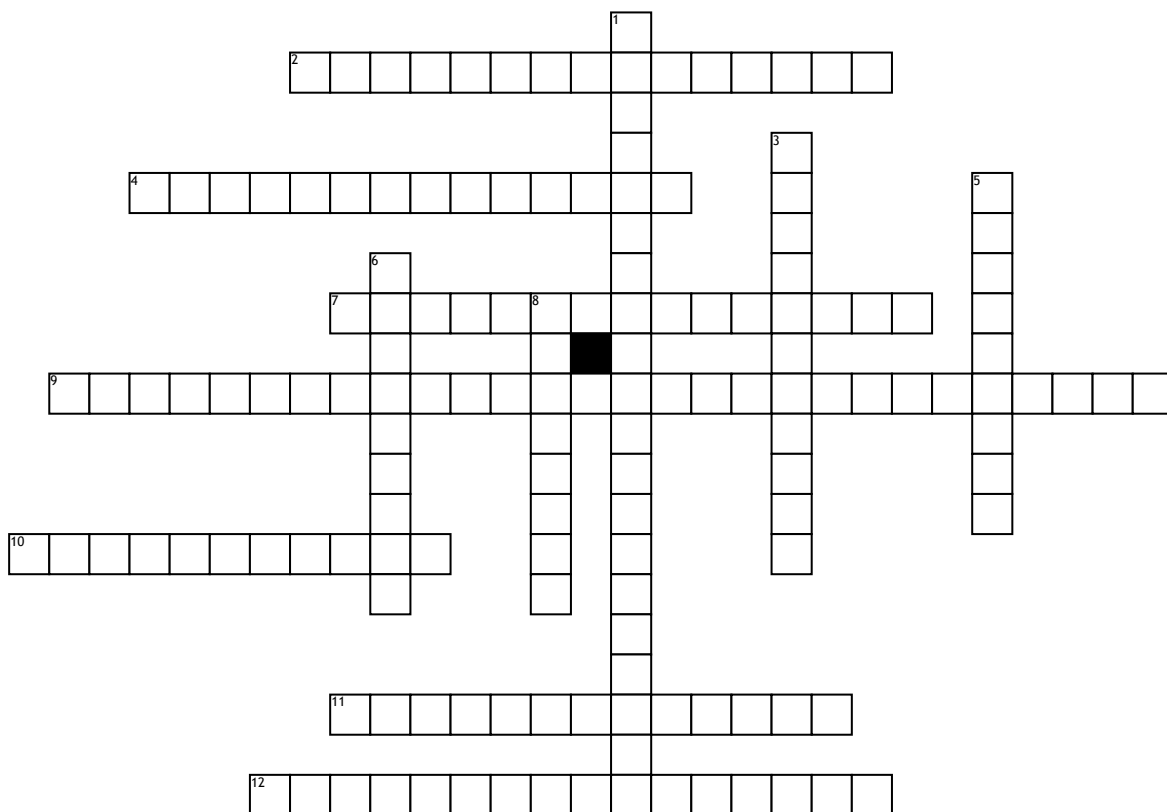


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Chapter 14



## Across

2. gas contribution to the total pressure

4. the relationship among pressure, temperature, and volume

7. the measure of how much the volume of matter decreases under pressure

9. at constant volume and temperature pressure is equal to partial pressures

10. if pressure is constant volume and temperature vary directly

11. If volume is constant pressure and temperature are directly proportional

12. value of 8.31 (R)

## Down

1. rate of effusion is inversely proportional to the square root of molar mass of the gas

3.  $(P) \times (V) = (N) \times (R) \times (T)$

5. tendency of molecules moving toward lower concentration

6. at constant temperature volume and pressure vary inversely

8. gas escaping through a tiny hole