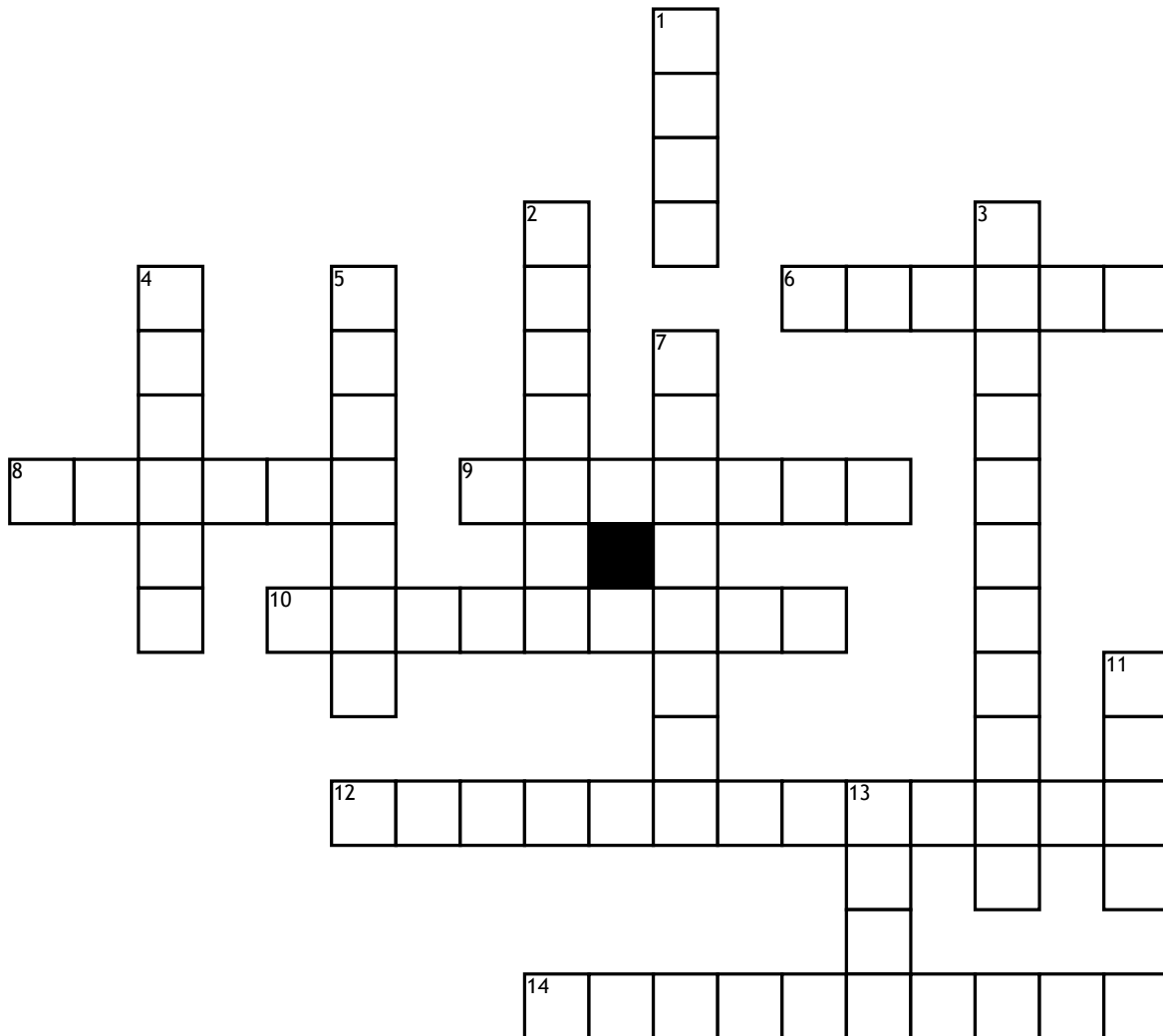


# The Behavior of Gases



**Across**

- 6. an explanation of things or events based on knowledge and observations.
- 8. small particles make up all
- 9. molecular theory is an explanation of how particles in matter behave,
- 10. as pressure increases, the volume of a gas
- 12. who was the French scientist who described the relationship between temperature and the volume of gas.

**14. particles in gases move**

**Down**

- 1. what year did the hydrogen-filled balloon launch
- 2. the more particles are compressed, the more often they
- 3. who was the British scientists that was the first to describe property of gases.
- 4. absolute zero is the lowest possible temperature of

- 5. law that states that the volume of a gas increases with increasing temperature, if pressure is constant.
- 7. the volume of a gas increases when the temperature increases at a constant
- 11. when particles collide, no energy is
- 13. pressure is the amount of force applied per unit of