

Gas Law

Across

4. The SI derived unit of pressure used to quantify internal pressure, stress, young's modulus and ultimate tensile strength

10. Indicates the direction in which energy flows when two objects are in thermal contact

11. Volume and Temperature are directly proportional

12. The pressure of a gas and the kelvin temperature are directly proportional

13. Combines Boyles, Charles and Gay Lussacs Laws

14. to be able to be compressed into a solid ff. postulates: mass or smaller space

15. The physical laws that describe the properties of gases, including Boyle's and Charles' law

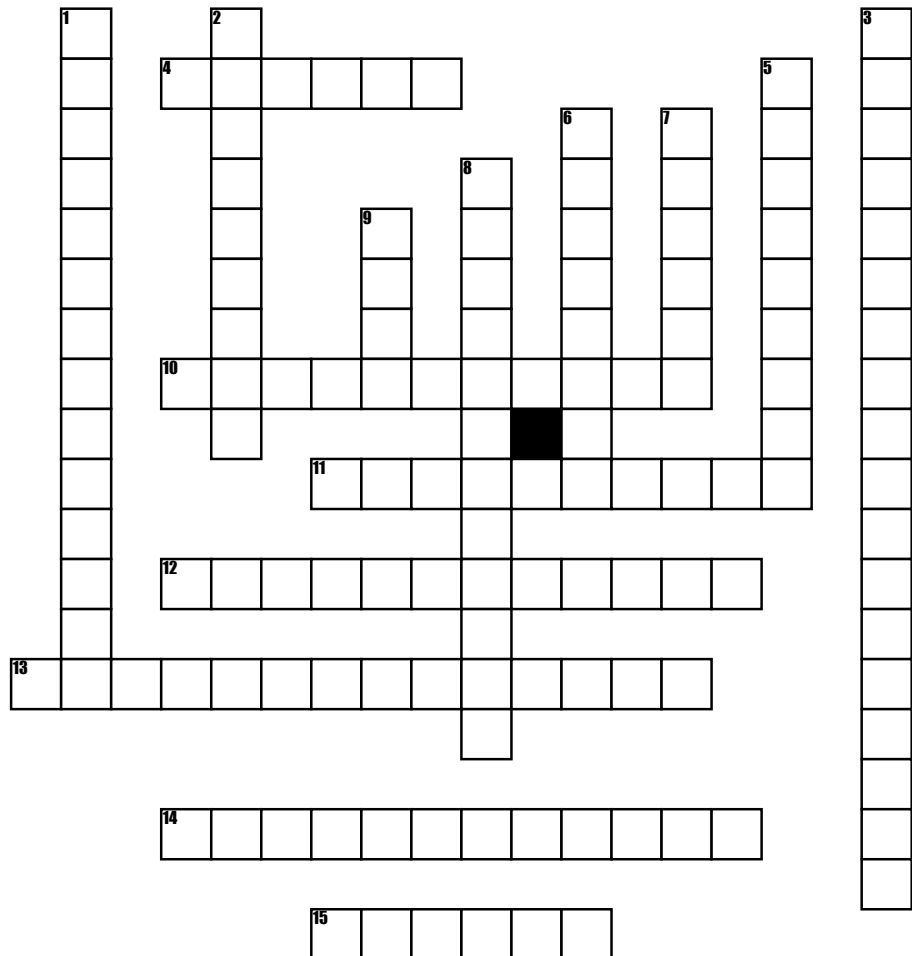
Down

1. The lowest temperature that is theoretically possible

2. Scientific instrument used to measure air pressure

3. The Ideal gas law also called

5. Temperature, Pressure and volume are inversely proportional



6. Force applied perpendicular to the surface of an object per unit

7. The quantity of three dimensional space occupied by a liquid solid or gas

8. A law stating that equal volumes of gases at the same time temperature and pressure contain equal numbers of molecules

9. The SI unit for the amount of substance

