Name:	Date:
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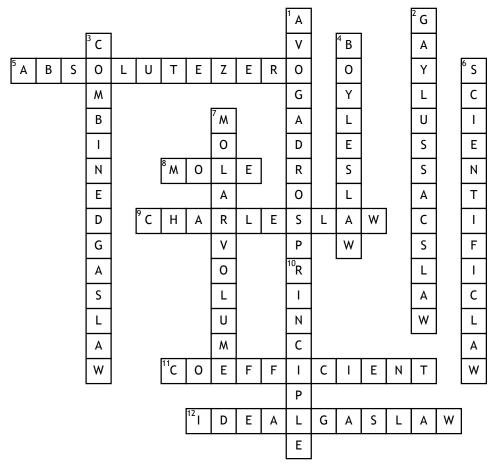
Gas Laws

Across

- 5. it has never been this cold = zero K
- 8. the SI unit for the amount of substance
- 9. volume and temperature are directly proportional
- **10.** 0.0821 L-atm/mol-K
- 11. a number written in front of a reactant or product of a chemical equation
- 12. describes the physical behavior of an ideal gas

Down

- 1. equal volumes of gases at the same temperature and pressure contain equal numbers of particles
- 2. the pressure of a gas and the kelvin temperature are directly proportional 7. 22.4 L



- 3. combines Boyles, Charles, and **Gay-Lussacs Laws**
- 4. volume and pressure are inversely proportional
- 6. describes a relationship in nature that is supported by many experiments

