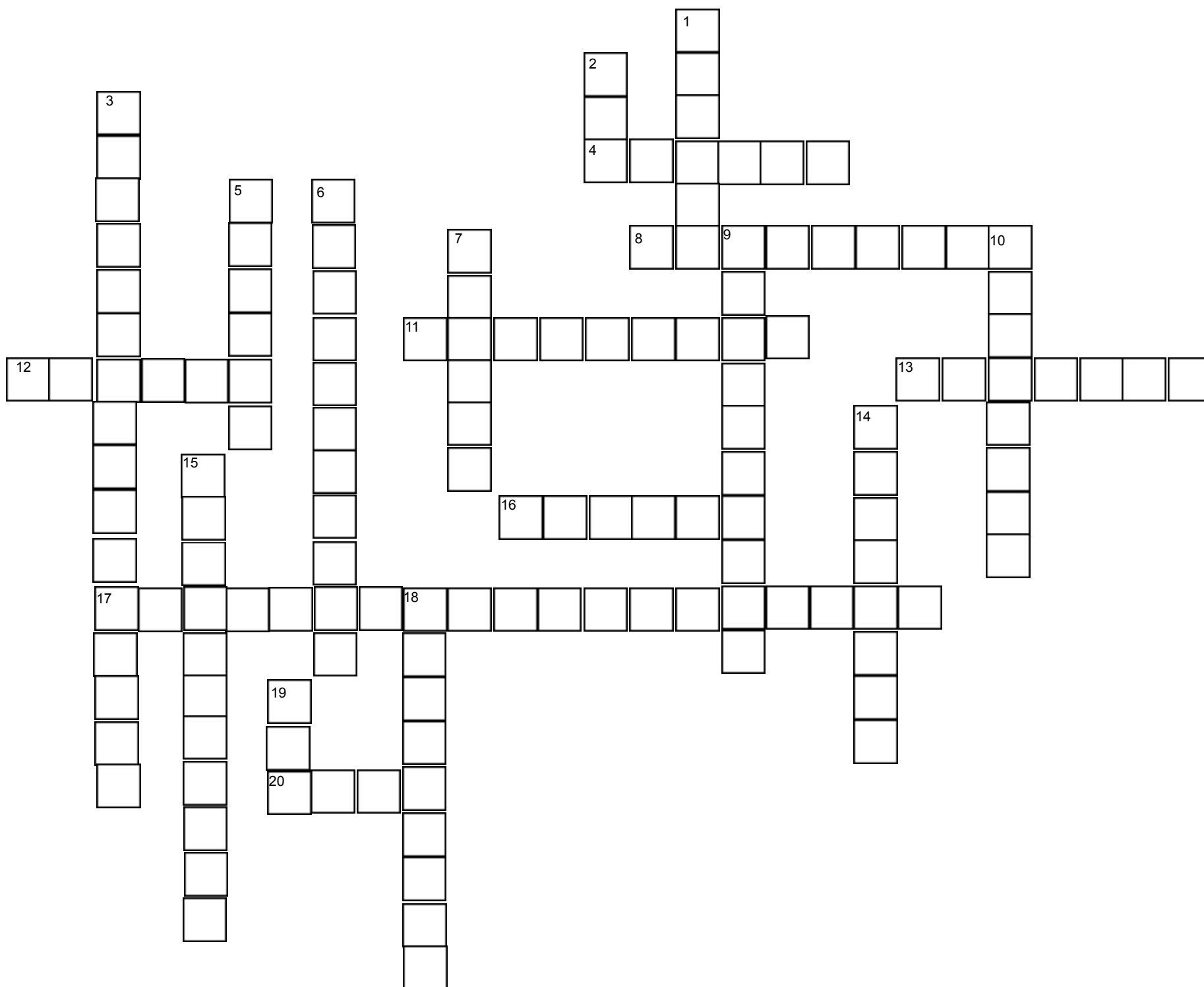


Name _____

Gas Law Crossword



ACROSS

- 4 To get from grams to moles, you must _____ by the molar mass.
- 8 In Boyle's Law, the pressure decreases as the volume _____.
- 11 At constant temperature, the volume and pressure of a gas are inversely proportional.
- 12 Graphing pressure vs. volume would produce a _____ line.
- 13 The combined gas law is a combination of Boyle's Law and _____ Law.
- 16 The volume must be in this unit for ideal gas law problems.
- 17 273 K
- 20 A gas takes up _____ volume than a solid or a liquid.

DOWN

- 1 The temperature must always be in _____ to work gas law problems.
- 2 To get from Celsius to Kelvin, you must _____ 273.
- 3 1 atm
- 5 To get from torrs to atm, you must _____ by 760.
- 6 The gas law that deals with moles of gas.
- 7 Placing the balloon over the mouth of the flask created a _____ system.
- 9 At constant pressure, the volume of a gas is directly proportional to its Kelvin temperature.
- 10 Graphing volume vs. temperature would produce a _____ line.
- 14 To get from Kelvin to Celsius, you must _____ 273.
- 15 The equation that expresses exactly how pressure, volume, temperature, and the number of particles of gas are related.
- 18 In Charles' Law, as the volume decreases the temperature _____.
- 19 The pressure must be in this unit for ideal gas law problems.