

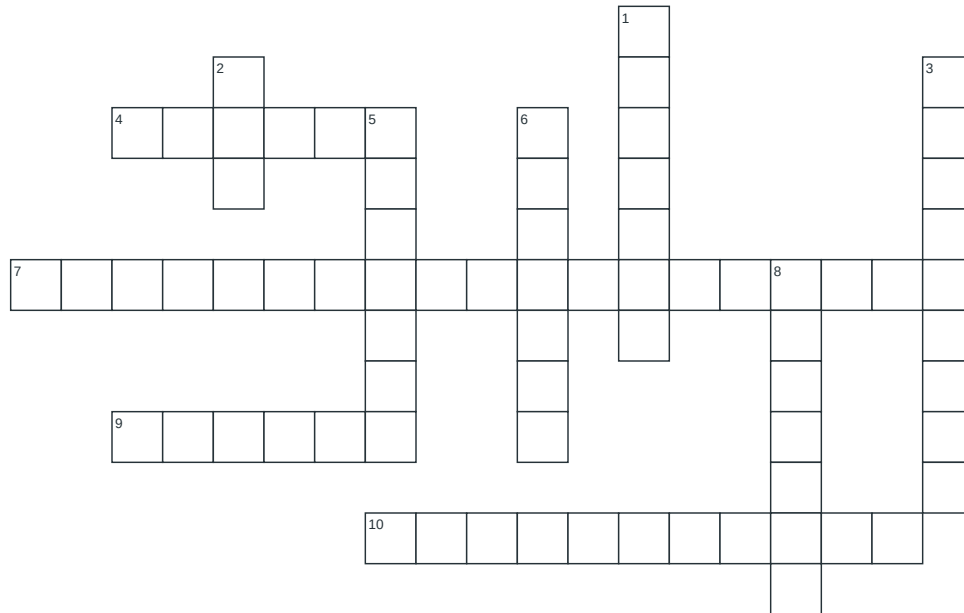
# Gas Laws Crossword

Easy | 10 clues | Student Worksheet

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

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

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.

**ACROSS**

4. Subatomic particle that carries a positive electric charge
7. The pressure contribution from that gas in a mixture
9. SI base unit for thermodynamic temperature
10. Volume and kelvin temperature

**DOWN**

1. Two or more substances combined without a fixed chemical composition

**DOWN (continued)**

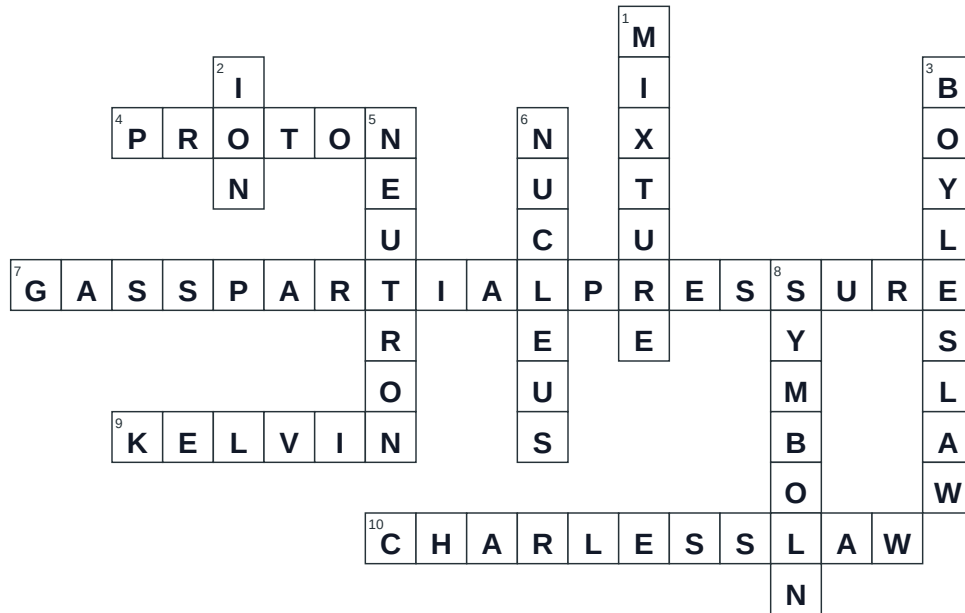
2. Atom or group of atoms with a net electric charge.
3. For a fixed amount of gas at constant temperature, pressure and volume vary inversely.
5. Subatomic particle that has no electric charge
6. Membrane-bound organelle that contains most eukaryotic DNA.
8. Amount of gas in moles

# Gas Laws Crossword

Easy | 10 clues | Teacher Answer Key

## TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



### ACROSS

4. Proton
7. Gas's Partial Pressure
9. Kelvin
10. Charles's Law

### DOWN

1. Mixture
2. Ion
3. Boyle's Law
5. Neutron
6. Nucleus
8. Symbol N

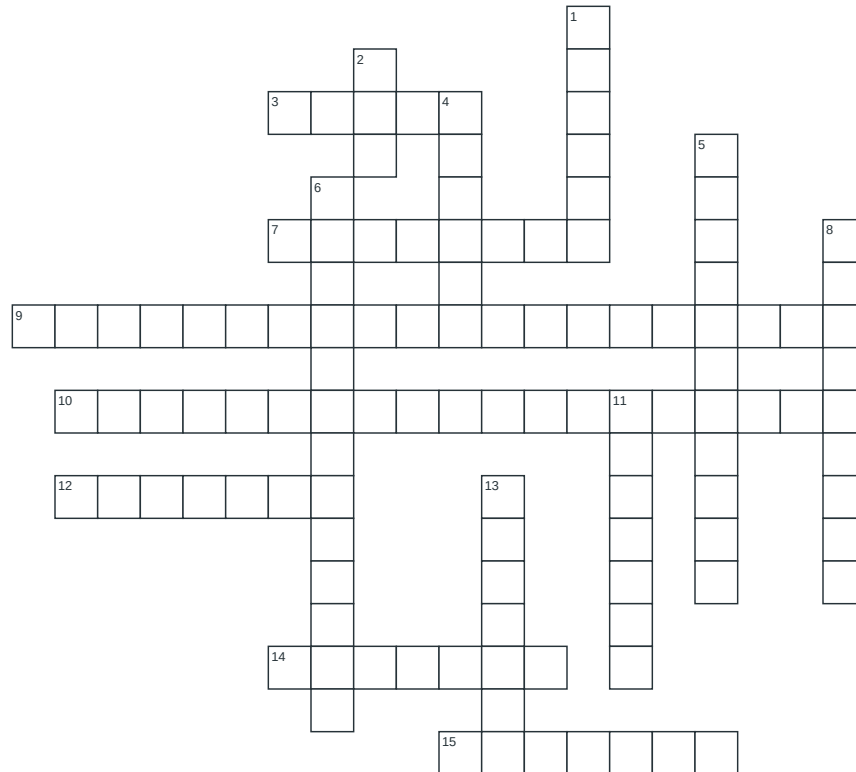
# Gas Laws Crossword

Medium | 15 clues | Student Worksheet

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

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

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



## ACROSS

3. Definition of a vertical column of the periodic table called
7. Definition of a beta-minus particle emitted in nuclear decay
9. Condition in which positive and negative charges balance.
10. The pressure contribution from that gas in a mixture
12. Amount of gas in moles
14. Membrane-bound organelle that contains most eukaryotic DNA.
15. Subatomic particle that has no electric charge

## DOWN

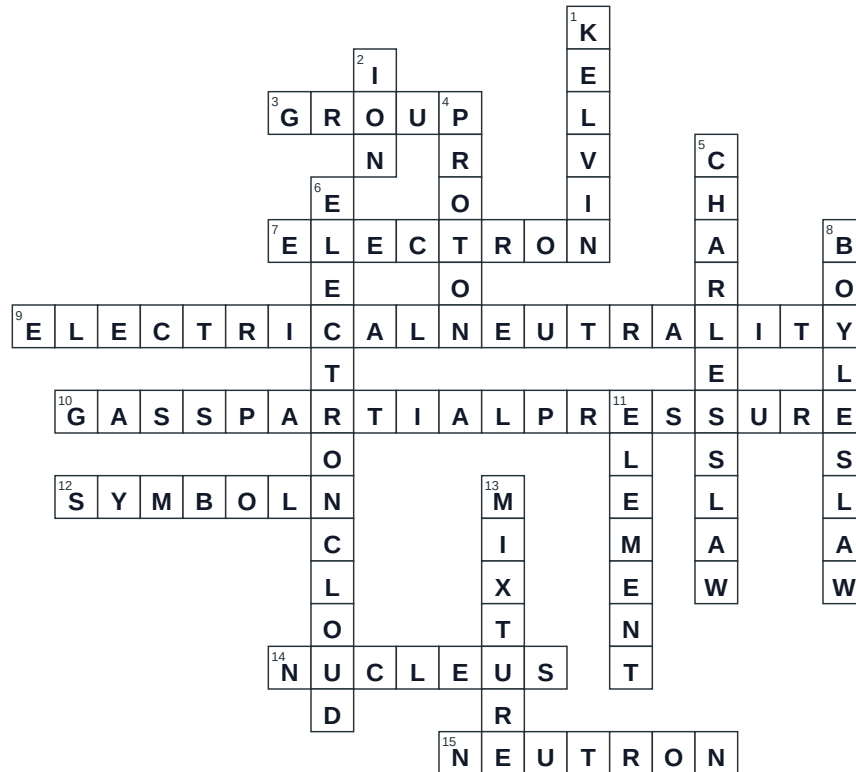
1. SI base unit for thermodynamic temperature
2. Atom or group of atoms with a net electric charge.
4. Subatomic particle that carries a positive electric charge
5. Volume and kelvin temperature
6. Electron locations are described by regions of probability
8. For a fixed amount of gas at constant temperature, pressure and volume vary inversely.
11. Pure substance made of only one type of atom.
13. Two or more substances combined without a fixed chemical composition

# Gas Laws Crossword

Medium | 15 clues | Teacher Answer Key

## TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



### ACROSS

3. Group
7. Electron
9. Electrical neutrality
10. Gas's Partial Pressure
12. Symbol N
14. Nucleus
15. Neutron

### DOWN

1. Kelvin
2. Ion
4. Proton
5. Charles.s Law
6. Electron Cloud
8. Boyle.s Law
11. Element
13. Mixture

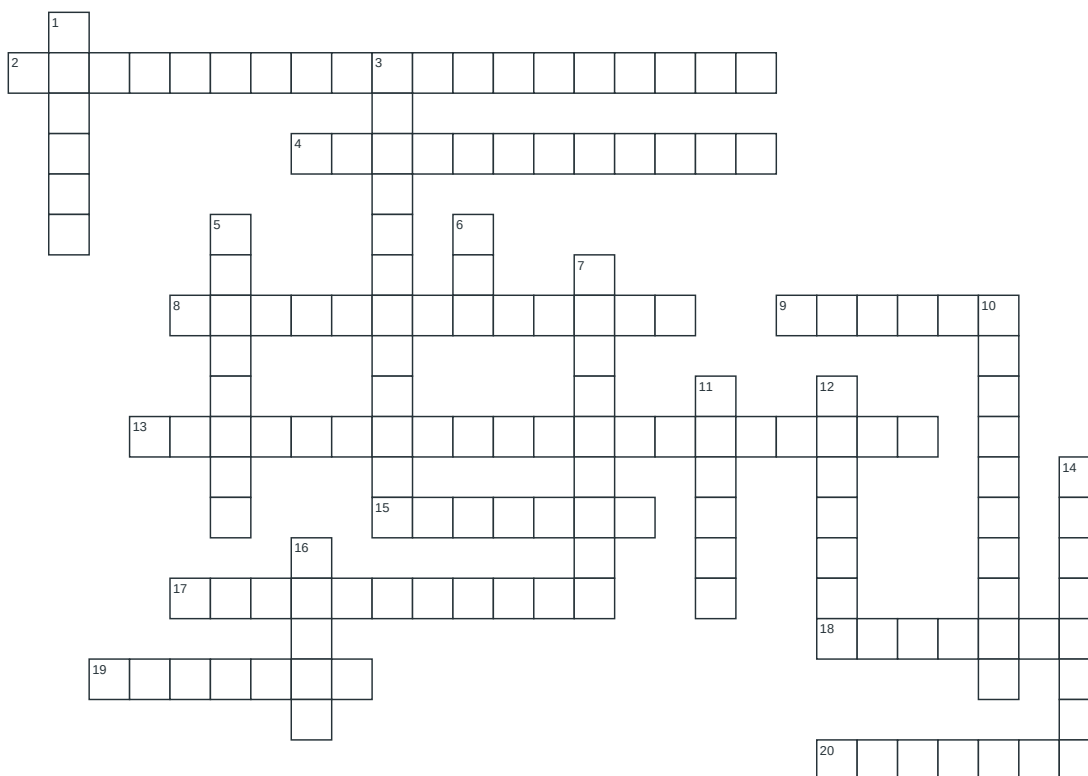
# Gas Laws Crossword

Hard | 20 clues | Student Worksheet

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

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

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



## ACROSS

2. The pressure contribution from that gas in a mixture
4. Number of protons in an atom's nucleus.
8. Electron locations are described by regions of probability
9. SI base unit for thermodynamic temperature
13. Condition in which positive and negative charges balance.
15. Amount of gas in moles
17. Volume and kelvin temperature
18. Pure substance made of only one type of atom.
19. Membrane-bound organelle that contains most eukaryotic DNA.
20. Subatomic particle that has no electric charge

## DOWN

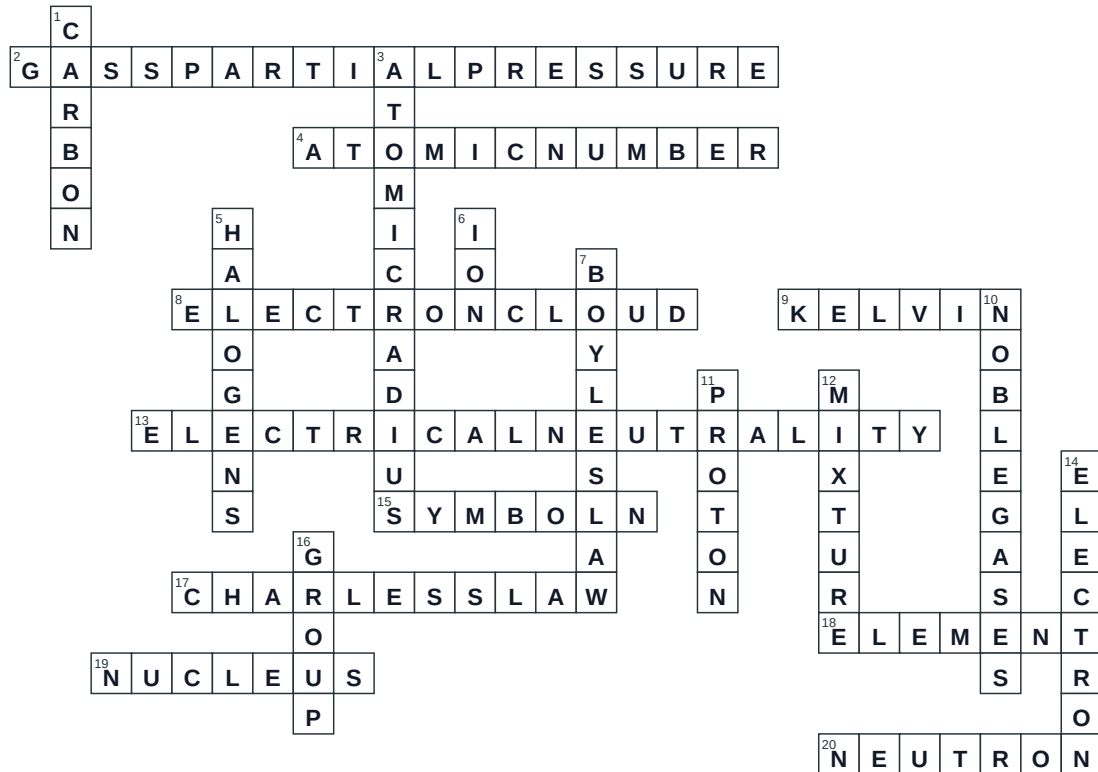
1. Element that forms the backbone of most organic molecules
3. Measure related to the size of an atom.
5. Group that includes fluorine, chlorine, and bromine
6. Atom or group of atoms with a net electric charge.
7. For a fixed amount of gas at constant temperature, pressure and volume vary inversely.
10. Group that includes helium, neon, and argon
11. Subatomic particle that carries a positive electric charge
12. Two or more substances combined without a fixed chemical composition
14. Definition of a beta-minus particle emitted in nuclear decay
16. Definition of a vertical column of the periodic table called

# Gas Laws Crossword

Hard | 20 clues | Teacher Answer Key

## TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



### ACROSS

2. Gas's Partial Pressure
4. Atomic number
8. Electron Cloud
9. Kelvin
13. Electrical neutrality
15. Symbol N
17. Charles.s Law
18. Element
19. Nucleus
20. Neutron

### DOWN

1. Carbon
3. Atomic radius
5. Halogens
6. Ion
7. Boyle.s Law
10. Noble Gases
11. Proton
12. Mixture
14. Electron
16. Group