

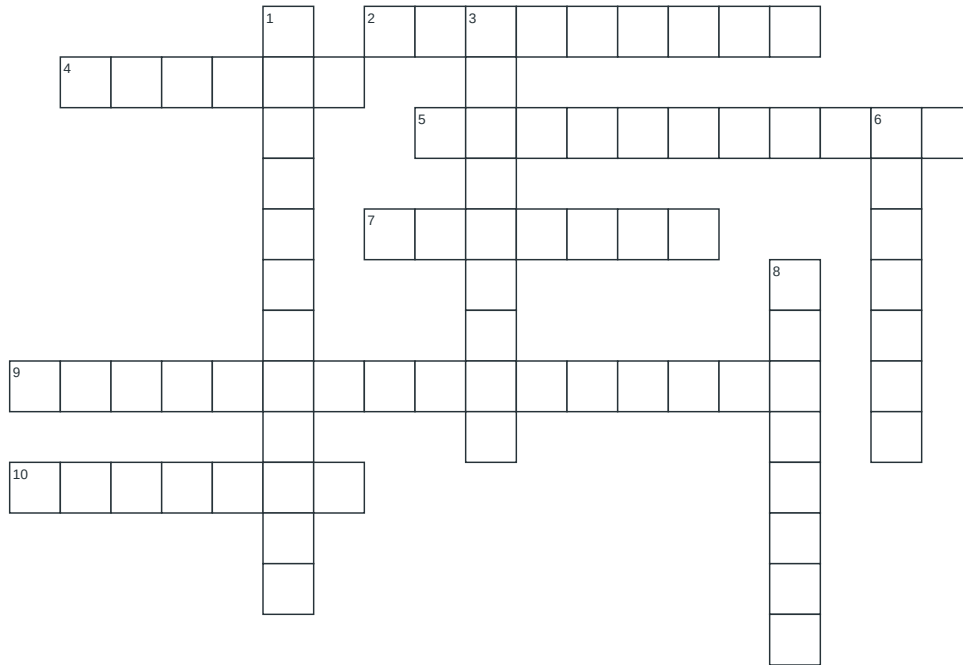
Balancing Equations Crossword

Easy | 10 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

2. Substances present before and consumed in a reaction
4. Subatomic particle that carries a positive electric charge
5. Number placed before a formula to show the amount of a substance.
7. Membrane-bound organelle that contains most eukaryotic DNA.

ACROSS (continued)

9. Relative reacting or produced amounts in particles or moles
10. Pure substance made of only one type of atom.

DOWN

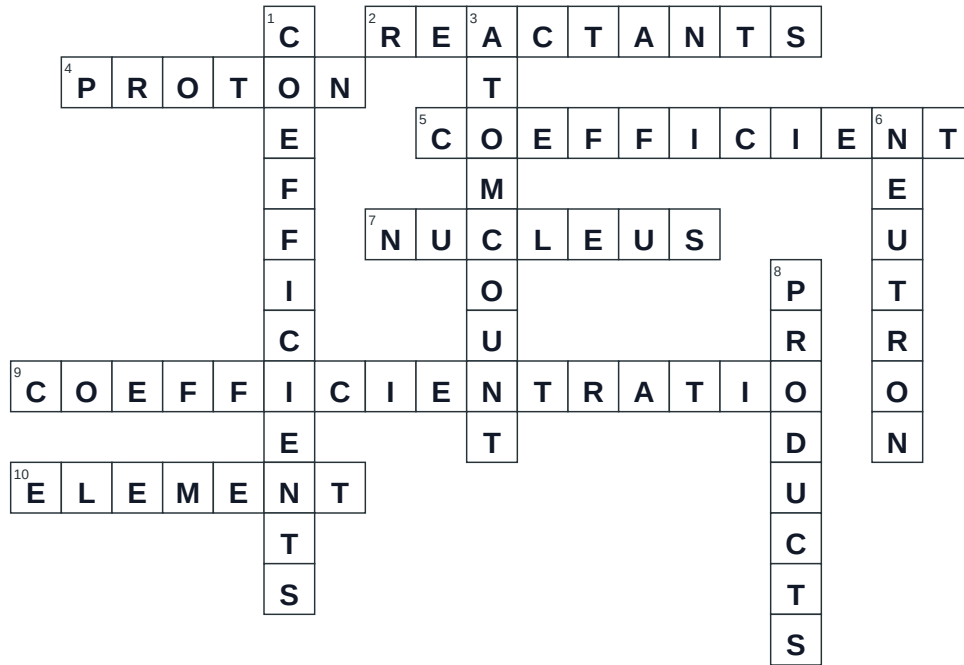
1. Numbers are adjusted when balancing an equation without changing substances
3. The number of atoms of each element
6. Subatomic particle that has no electric charge
8. Substances formed by a chemical reaction

Balancing Equations Crossword

Easy | 10 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

2. Reactants
4. Proton
5. Coefficient
7. Nucleus
9. Coefficient Ratio
10. Element

DOWN

1. Coefficients
3. Atom Count
6. Neutron
8. Products

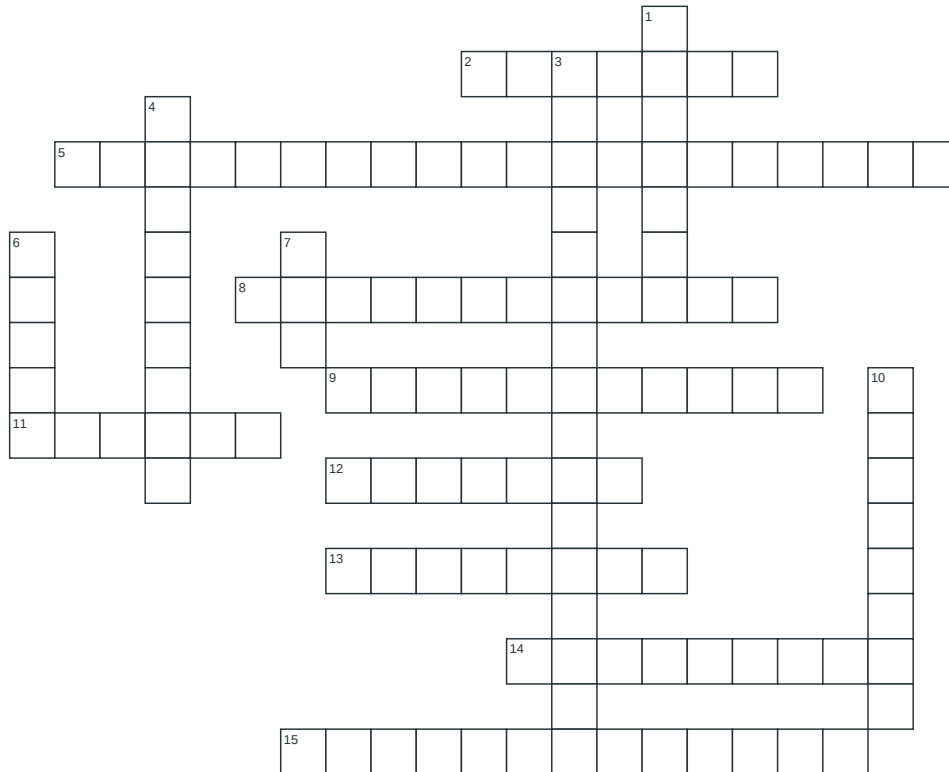
Balancing Equations Crossword

Medium | 15 clues | Student Worksheet

Name: _____

Date: _____

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

**ACROSS**

2. Membrane-bound organelle that contains most eukaryotic DNA.
5. Condition in which positive and negative charges balance.
8. Numbers are adjusted when balancing an equation without changing substances
9. Number placed before a formula to show the amount of a substance.
11. Subatomic particle that carries a positive electric charge
12. Pure substance made of only one type of atom.
13. Definition of a beta-minus particle emitted in nuclear decay

ACROSS (continued)

14. The number of atoms of each element
15. Electron locations are described by regions of probability

DOWN

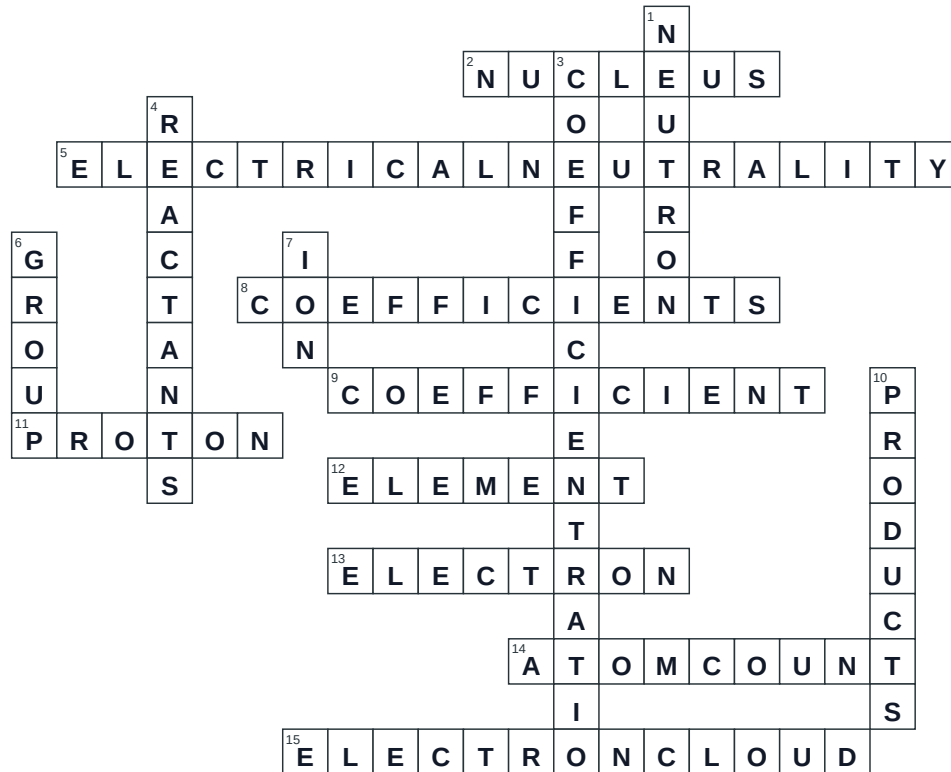
1. Subatomic particle that has no electric charge
3. Relative reacting or produced amounts in particles or moles
4. Substances present before and consumed in a reaction
6. Definition of a vertical column of the periodic table called
7. Atom or group of atoms with a net electric charge.
10. Substances formed by a chemical reaction

Balancing Equations Crossword

Medium | 15 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

2. Nucleus
5. Electrical neutrality
8. Coefficients
9. Coefficient
11. Proton
12. Element
13. Electron
14. Atom Count

ACROSS (continued)

15. Electron Cloud

DOWN

1. Neutron
3. Coefficient Ratio
4. Reactants
6. Group
7. Ion
10. Products

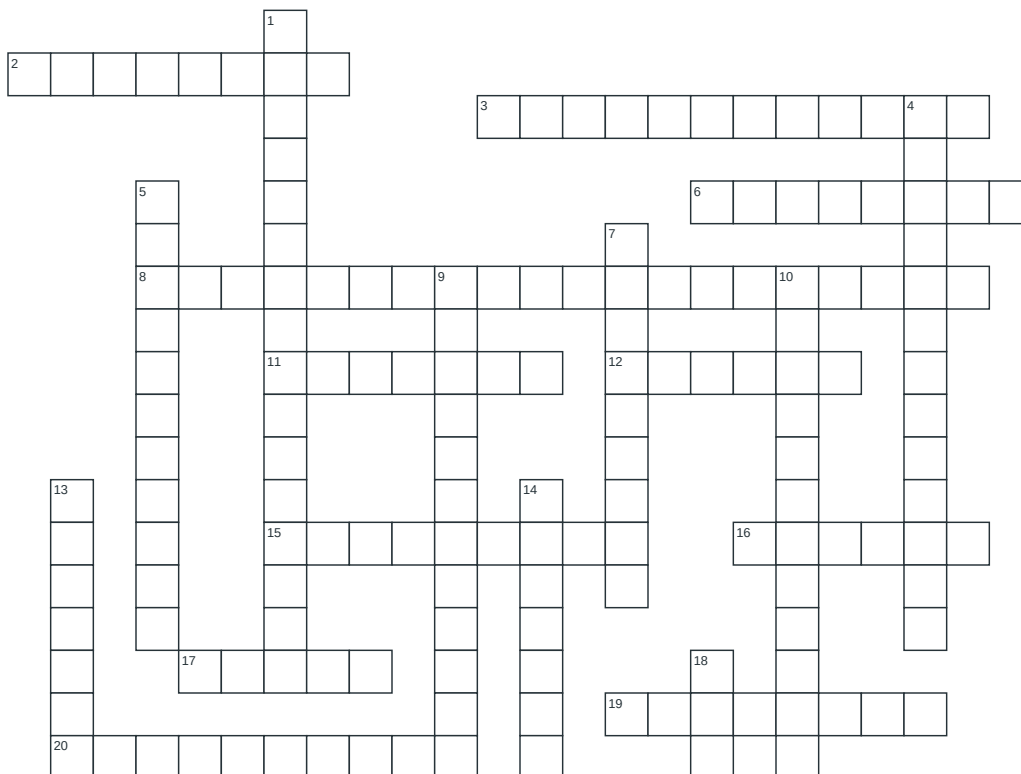
Balancing Equations Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

2. Definition of a beta-minus particle emitted in nuclear decay
3. Number of protons in an atom's nucleus.
6. Group that includes fluorine, chlorine, and bromine
8. Condition in which positive and negative charges balance.
11. Pure substance made of only one type of atom.
12. Element that forms the backbone of most organic molecules
15. The number of atoms of each element
16. Subatomic particle that carries a positive electric charge
17. Definition of a vertical column of the periodic table called
19. Substances formed by a chemical reaction
20. Group that includes helium, neon, and argon

DOWN

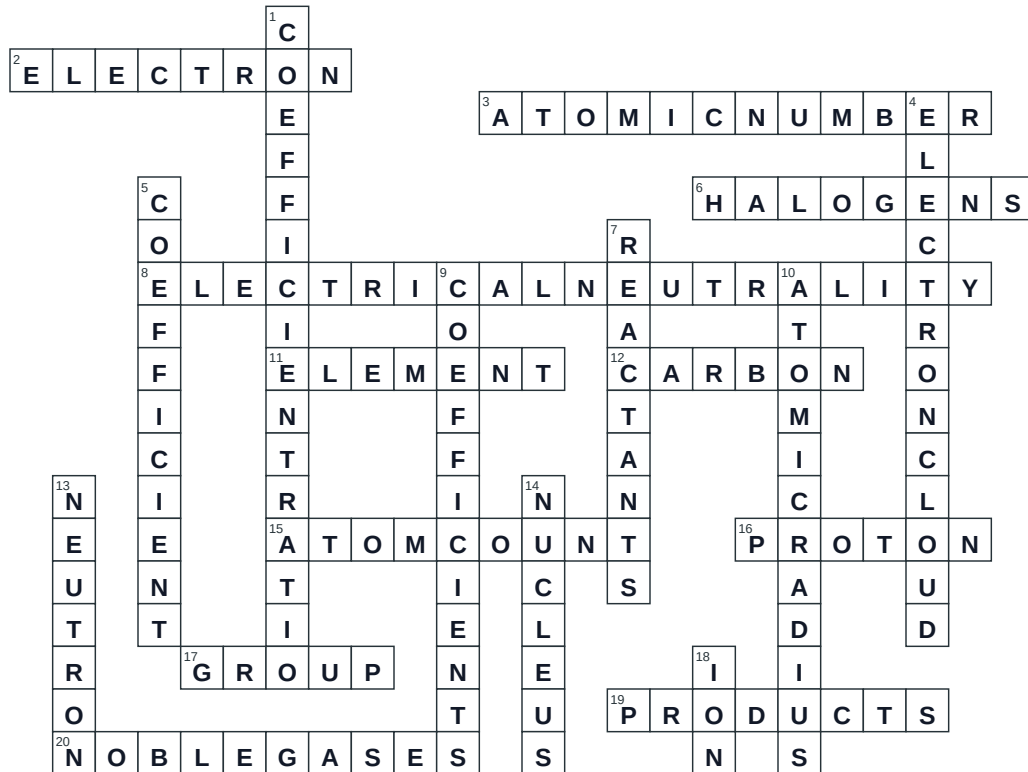
1. Relative reacting or produced amounts in particles or moles
4. Electron locations are described by regions of probability
5. Number placed before a formula to show the amount of a substance.
7. Substances present before and consumed in a reaction
9. Numbers are adjusted when balancing an equation without changing substances
10. Measure related to the size of an atom.
13. Subatomic particle that has no electric charge
14. Membrane-bound organelle that contains most eukaryotic DNA.
18. Atom or group of atoms with a net electric charge.

Balancing Equations 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. Electron
3. Atomic number
6. Halogens
8. Electrical neutrality
11. Element
12. Carbon
15. Atom Count
16. Proton
17. Group
19. Products
20. Noble Gases

DOWN

1. Coefficient Ratio
4. Electron Cloud
5. Coefficient
7. Reactants
9. Coefficients
10. Atomic radius
13. Neutron
14. Nucleus
18. Ion