

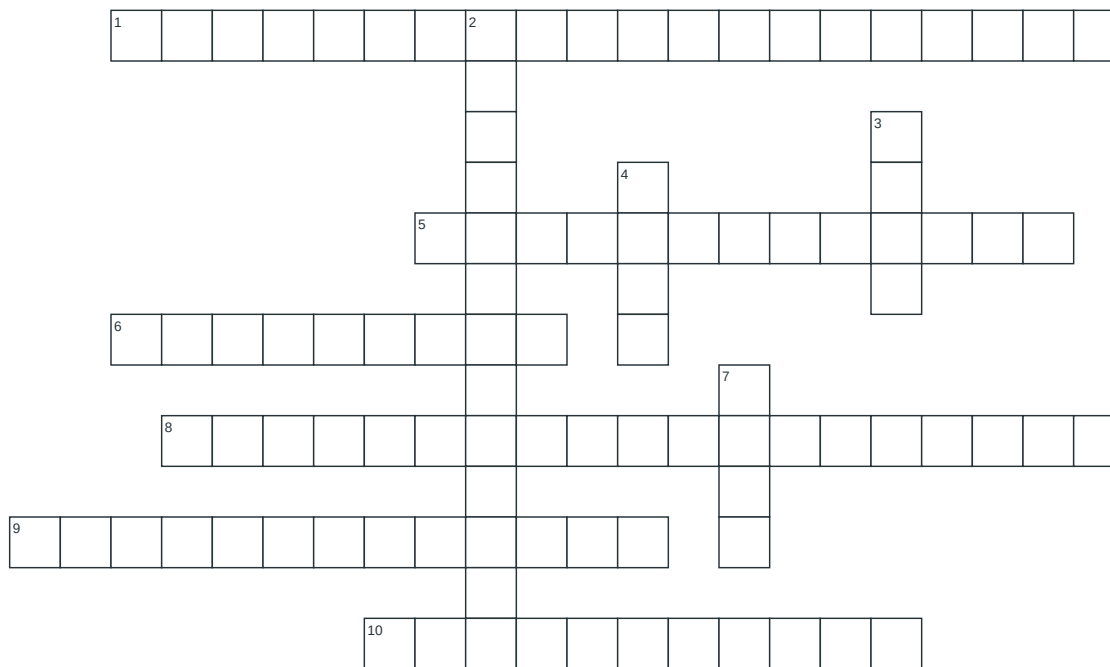
Chemical Formulas and Naming Crossword

Easy | 10 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

1. The compound's overall positive and negative charges balance
5. A bonded group of atoms with a net charge
6. Ion that is represented by OH■
8. Name correctly describes N■O■
9. Two hydrogen atoms per molecule

ACROSS (continued)

10. Three carbon dioxide molecules or three moles, depending on scale

DOWN

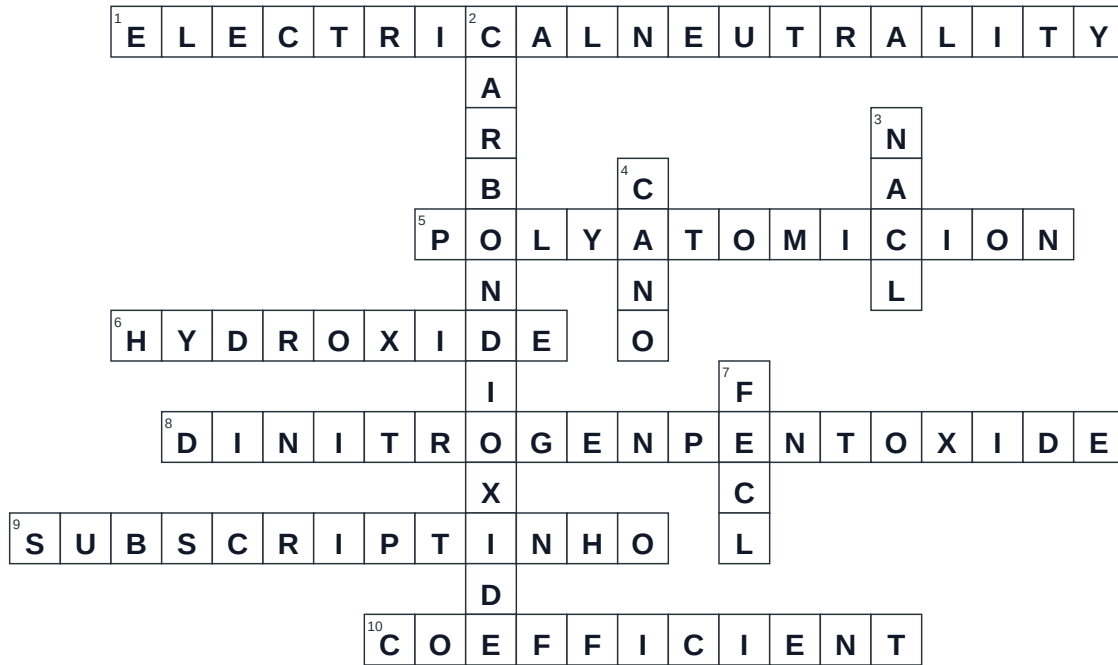
2. Name corresponds to CO■
3. Definition of the formula for sodium chloride
4. Formula balances Ca^{2+} with NO^{3-} ions
7. Contain iron ions with different charges

Chemical Formulas and Naming Crossword

Easy | 10 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

1. Electrical Neutrality
5. Polyatomic Ion
6. Hydroxide
8. Dinitrogen Pentoxide
9. Subscript 2 In H₂O
10. Coefficient

DOWN

2. Carbon Dioxide
3. NaCl
4. Ca(NO₃)₂
7. FeCl₃

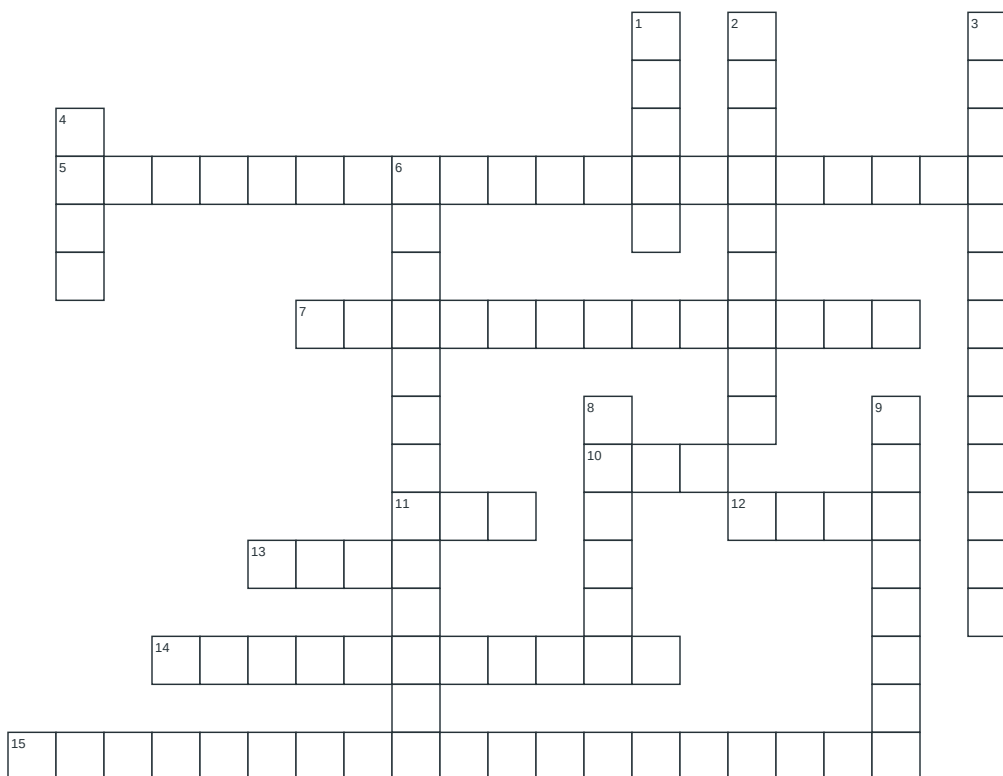
Chemical Formulas and Naming Crossword

Medium | 15 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

5. The compound's overall positive and negative charges balance
7. Two hydrogen atoms per molecule
10. Formula represents aluminum oxide from Al^{3+} and O^{2-}
11. Atom or group of atoms with a net electric charge.
12. Definition of the formula for sodium chloride
13. Formula balances Ca^{2+} with NO_3^- ions
14. Three carbon dioxide molecules or three moles, depending on scale
15. Name correctly describes N_2O

DOWN

1. Definition of a vertical column of the periodic table called
2. Ion that is represented by OH^-
3. A bonded group of atoms with a net charge
4. Contain iron ions with different charges
6. Name corresponds to CO_2
8. Element that forms the backbone of most organic molecules
9. A discrete group of atoms held together by covalent bonds

Chemical Formulas and Naming Crossword

Medium | 15 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

5. Electrical Neutrality
7. Subscript 2 In H₂O
10. Al₂O₃
11. Ion
12. NaCl
13. Ca(NO₃)₂
14. Coefficient
15. Dinitrogen Pentoxide

DOWN

1. Group
2. Hydroxide
3. Polyatomic Ion
4. FeCl₂
6. Carbon Dioxide
8. Carbon
9. Molecule

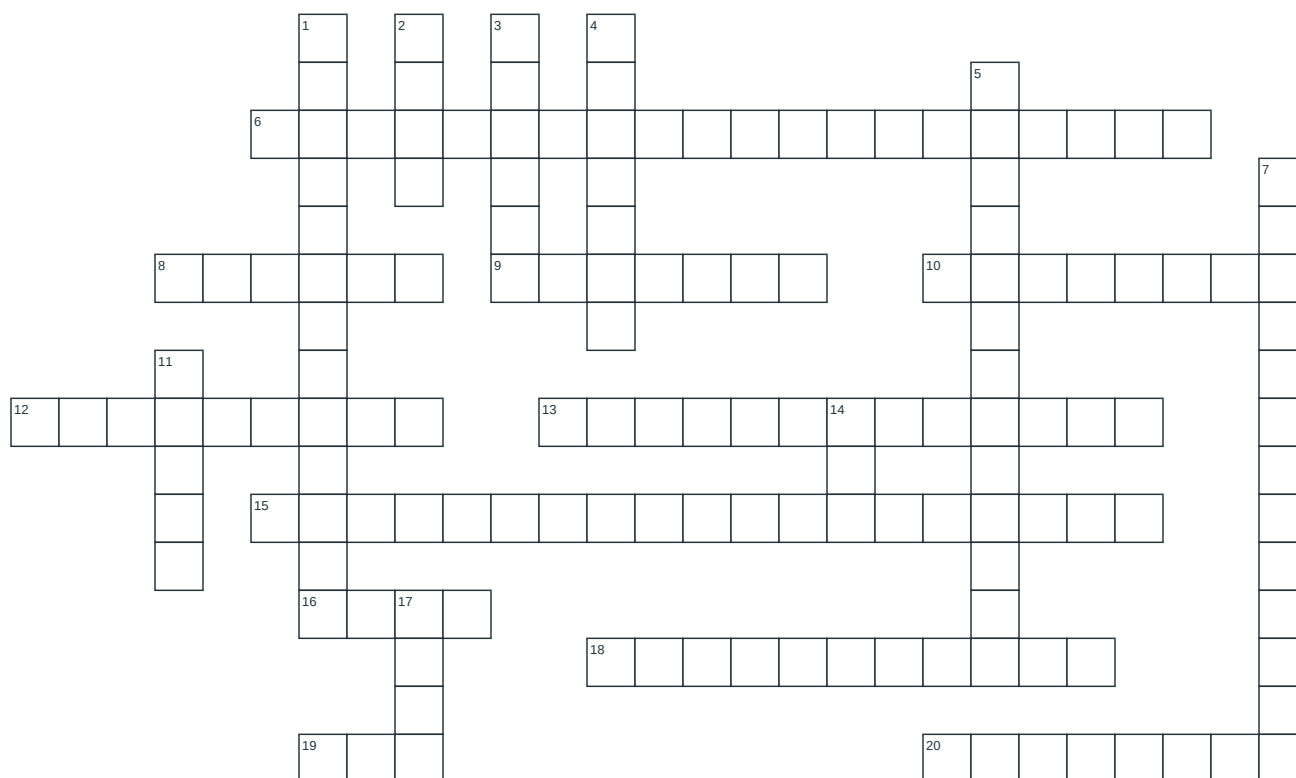
Chemical Formulas and Naming Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

6. The compound's overall positive and negative charges balance
8. Subatomic particle that carries a positive electric charge
9. Subatomic particle that has no electric charge
10. A discrete group of atoms held together by covalent bonds
12. Ion that is represented by OH^-
13. Two hydrogen atoms per molecule
15. Name correctly describes N_2O
16. Definition of the formula for sodium chloride
18. Three carbon dioxide molecules or three moles, depending on scale
19. Formula represents aluminum oxide from Al^{3+} and O^{2-}

ACROSS (continued)

20. Pure substance made of two or more elements chemically combined.

DOWN

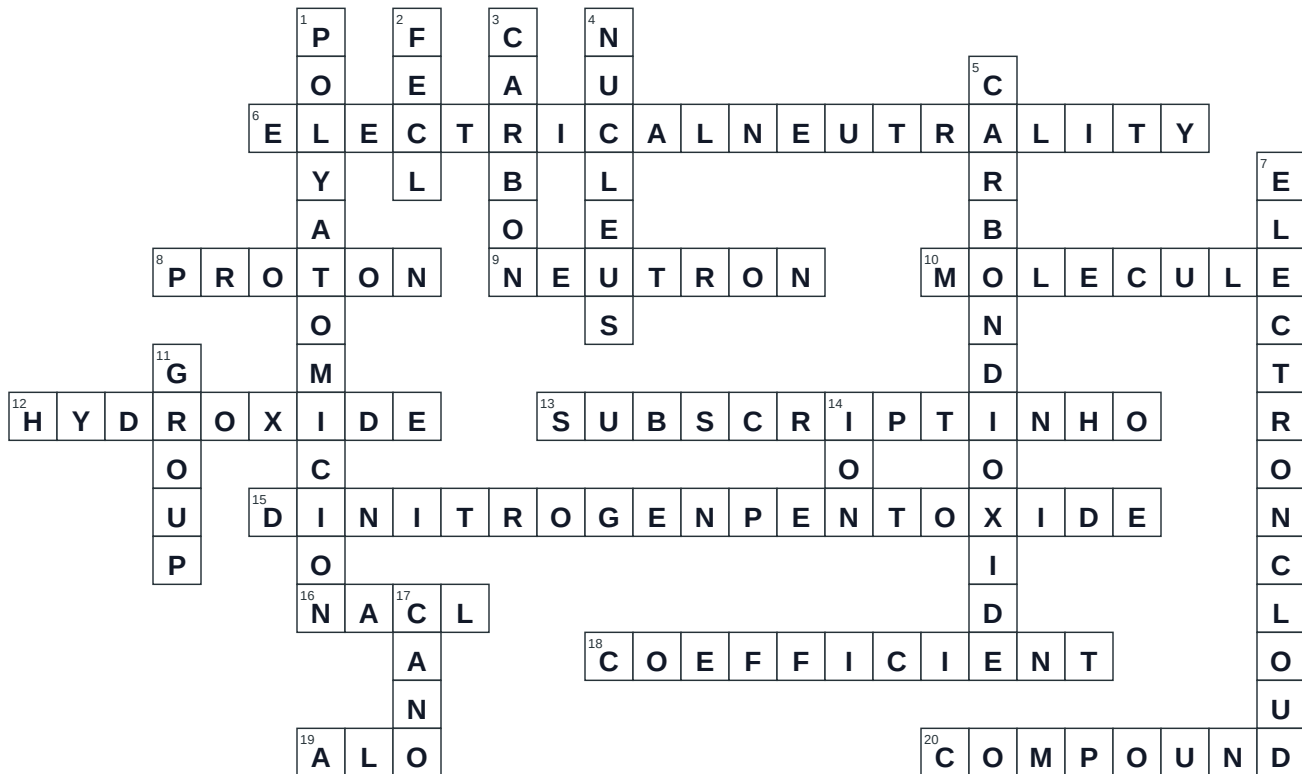
1. A bonded group of atoms with a net charge
2. Contain iron ions with different charges
3. Element that forms the backbone of most organic molecules
4. Membrane-bound organelle that contains most eukaryotic DNA.
5. Name corresponds to CO_2
7. Electron locations are described by regions of probability
11. Definition of a vertical column of the periodic table called
14. Atom or group of atoms with a net electric charge.
17. Formula balances Ca^{2+} with NO_3^- ions

Chemical Formulas and Naming Crossword

Hard | 20 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

6. Electrical Neutrality
8. Proton
9. Neutron
10. Molecule
12. Hydroxide
13. Subscript 2 In H₂O
15. Dinitrogen Pentoxide
16. NaCl
18. Coefficient
19. Al₂O₃
20. Compound

DOWN

1. Polyatomic Ion
2. FeCl₃
3. Carbon
4. Nucleus
5. Carbon Dioxide
7. Electron Cloud
11. Group
14. Ion
17. Ca(NO₃)₂