

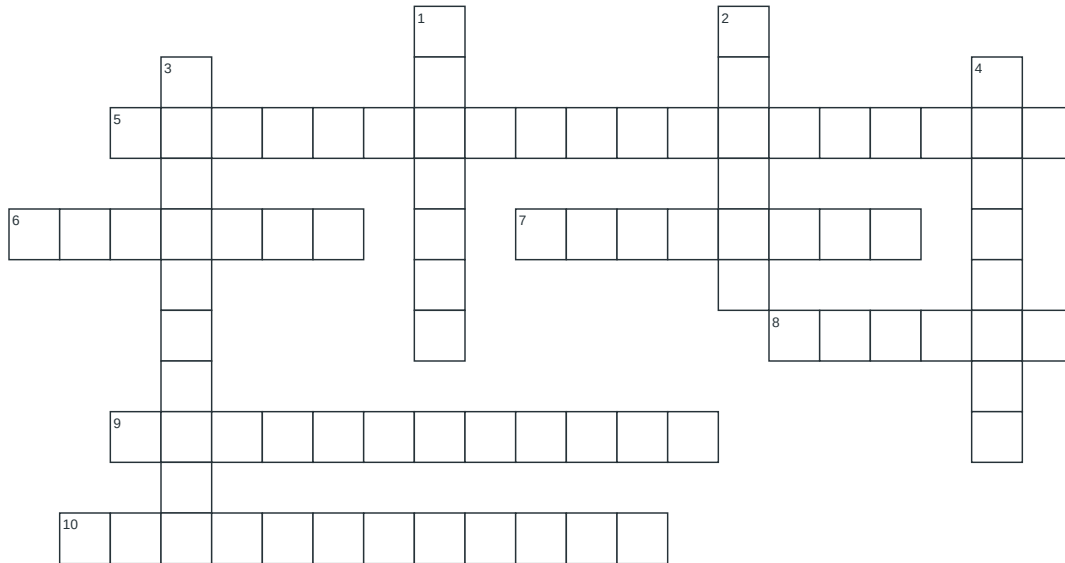
Elements Compounds and Mixtures Crossword

Easy | 10 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

5. A mixture can vary in component proportions; a compound has a fixed composition
6. Two or more substances combined without a fixed chemical composition
7. A substance containing elements chemically combined in fixed proportions
8. State generally has a fixed volume but takes the shape of its container
9. Separation method based on differences in boiling points.

ACROSS (continued)

10. Change from water vapor to liquid droplets.

DOWN

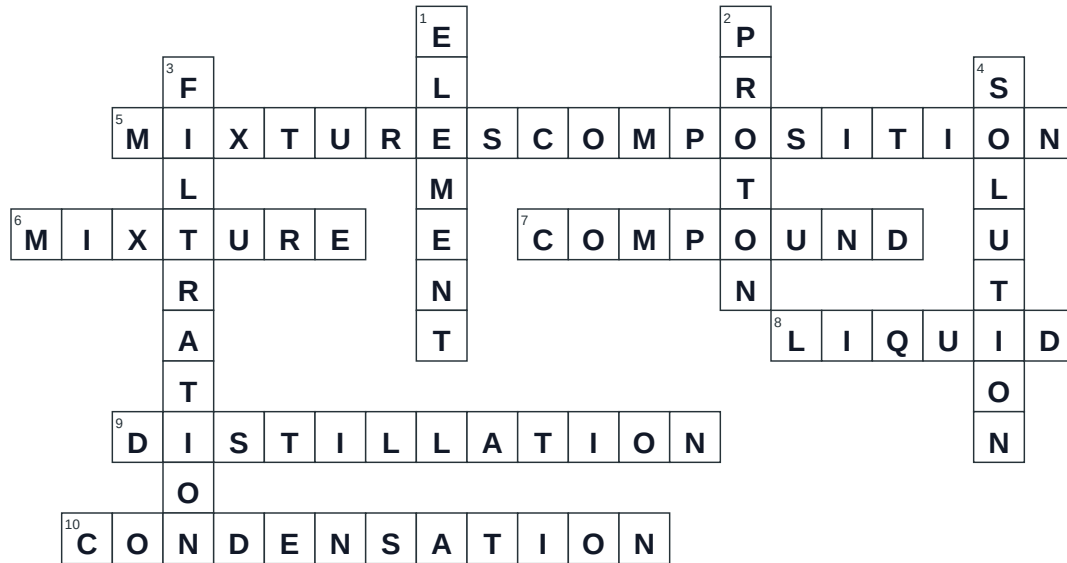
1. A substance whose atoms have one proton number
2. Subatomic particle that carries a positive electric charge
3. Method that separates solid particles from a fluid using a barrier.
4. Homogeneous mixture in which a solute is dispersed in a solvent

Elements Compounds and Mixtures Crossword

Easy | 10 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

5. Mixture's Composition
6. Mixture
7. Compound
8. Liquid
9. Distillation
10. Condensation

DOWN

1. Element
2. Proton
3. Filtration
4. Solution

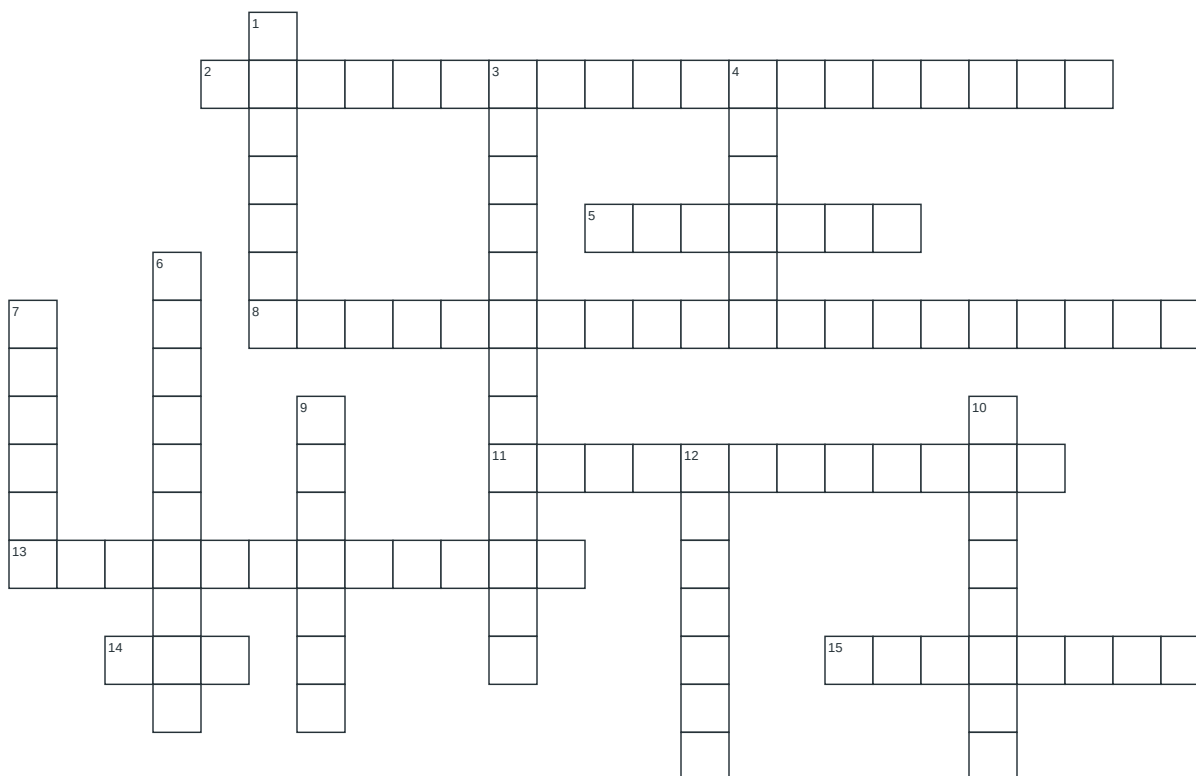
Elements Compounds and Mixtures Crossword

Medium | 15 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

2. A mixture can vary in component proportions; a compound has a fixed composition
5. Subatomic particle that has no electric charge
8. Condition in which positive and negative charges balance.
11. Change from water vapor to liquid droplets.
13. Separation method based on differences in boiling points.
14. Atom or group of atoms with a net electric charge.
15. Homogeneous mixture in which a solute is dispersed in a solvent

DOWN

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

DOWN (continued)

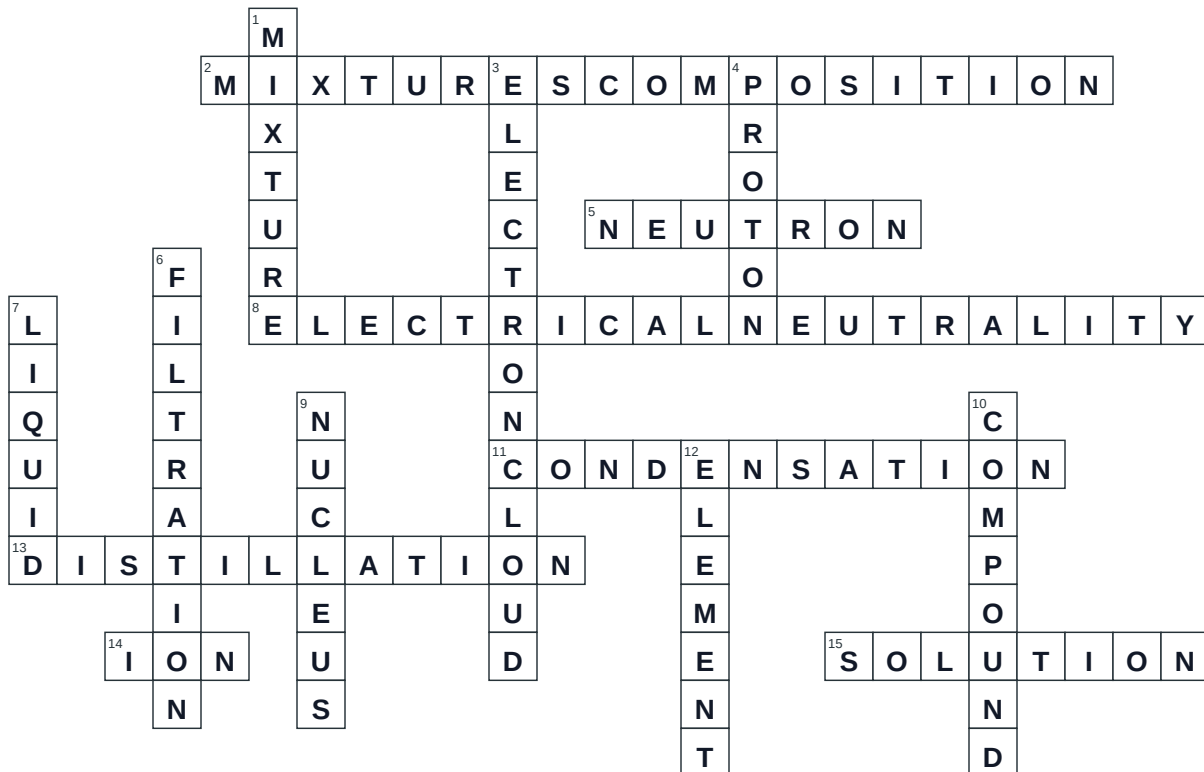
3. Electron locations are described by regions of probability
4. Subatomic particle that carries a positive electric charge
6. Method that separates solid particles from a fluid using a barrier.
7. State generally has a fixed volume but takes the shape of its container
9. Membrane-bound organelle that contains most eukaryotic DNA.
10. A substance containing elements chemically combined in fixed proportions
12. A substance whose atoms have one proton number

Elements Compounds and Mixtures 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. Mixture's Composition
5. Neutron
8. Electrical neutrality
11. Condensation
13. Distillation
14. Ion
15. Solution

DOWN

1. Mixture
3. Electron Cloud
4. Proton
6. Filtration
7. Liquid
9. Nucleus
10. Compound
12. Element

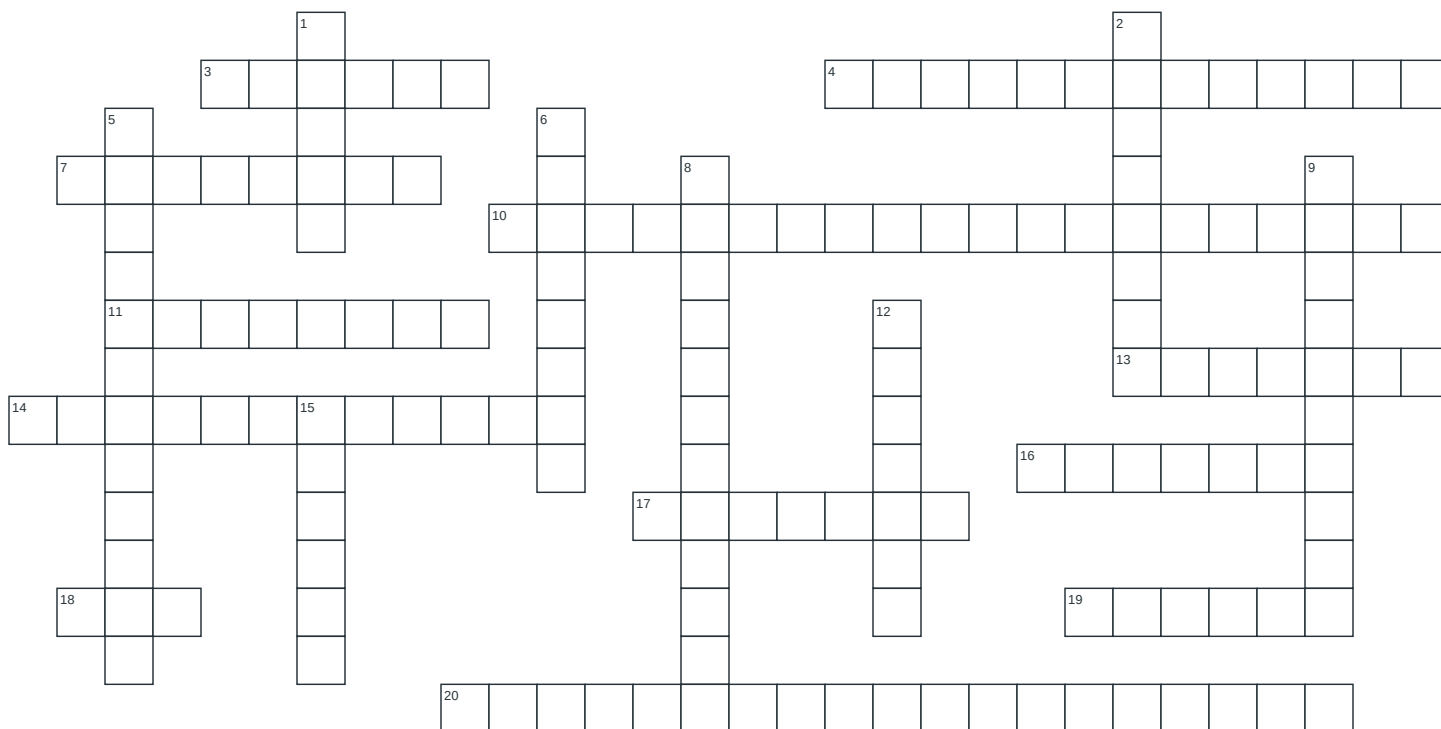
Elements Compounds and Mixtures Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

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

**ACROSS**

3. Element that forms the backbone of most organic molecules
4. Electron locations are described by regions of probability
7. A substance containing elements chemically combined in fixed proportions
10. Condition in which positive and negative charges balance.
11. Definition of a beta-minus particle emitted in nuclear decay
13. Subatomic particle that has no electric charge
14. Separation method based on differences in boiling points.
16. A substance whose atoms have one proton number
17. Membrane-bound organelle that contains most eukaryotic DNA.
18. Atom or group of atoms with a net electric charge.

ACROSS (continued)

19. Subatomic particle that carries a positive electric charge
20. A mixture can vary in component proportions; a compound has a fixed composition

DOWN

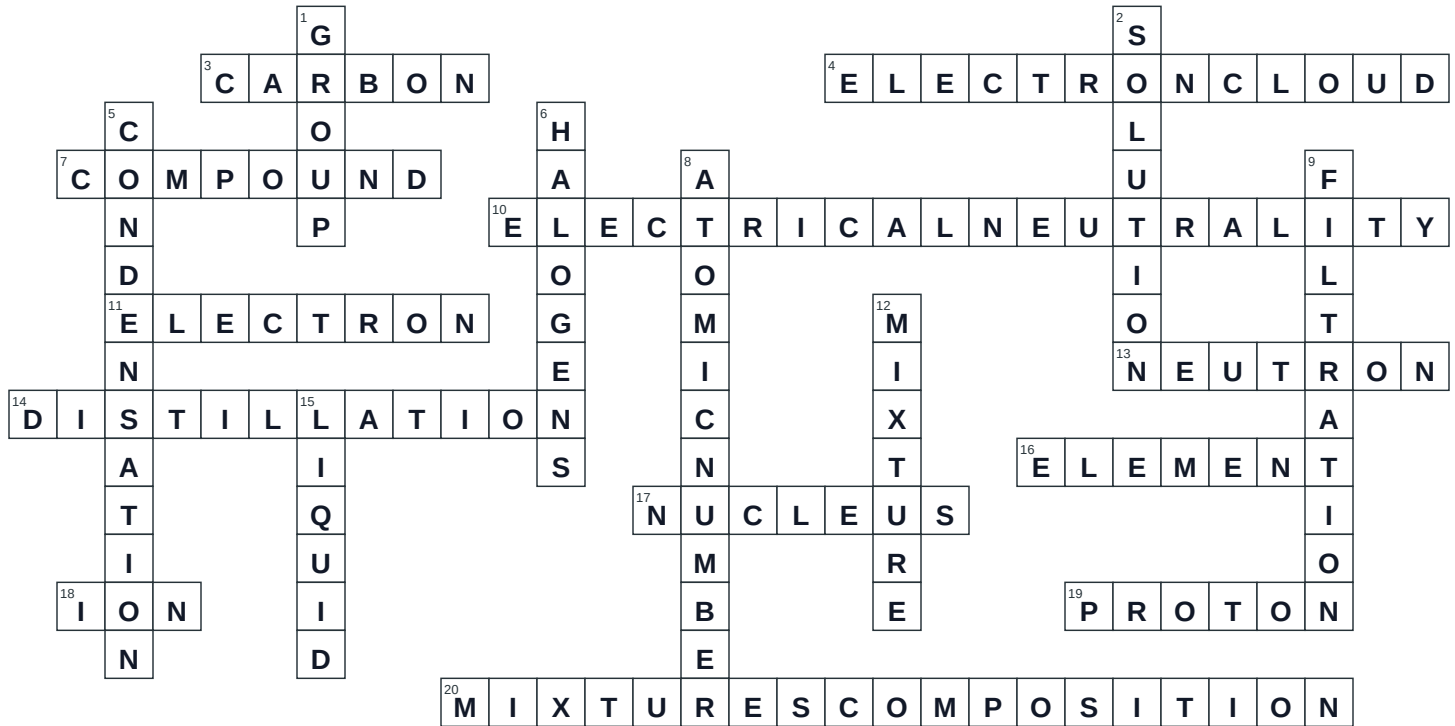
1. Definition of a vertical column of the periodic table called
2. Homogeneous mixture in which a solute is dispersed in a solvent
5. Change from water vapor to liquid droplets.
6. Group that includes fluorine, chlorine, and bromine
8. Number of protons in an atom's nucleus.
9. Method that separates solid particles from a fluid using a barrier.
12. Two or more substances combined without a fixed chemical composition
15. State generally has a fixed volume but takes the shape of its container

Elements Compounds and Mixtures Crossword

Hard | 20 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

3. Carbon
4. Electron Cloud
7. Compound
10. Electrical neutrality
11. Electron
13. Neutron
14. Distillation
16. Element
17. Nucleus
18. Ion
19. Proton

ACROSS (continued)

20. Mixture's Composition

DOWN

1. Group
2. Solution
5. Condensation
6. Halogens
8. Atomic number
9. Filtration
12. Mixture
15. Liquid