

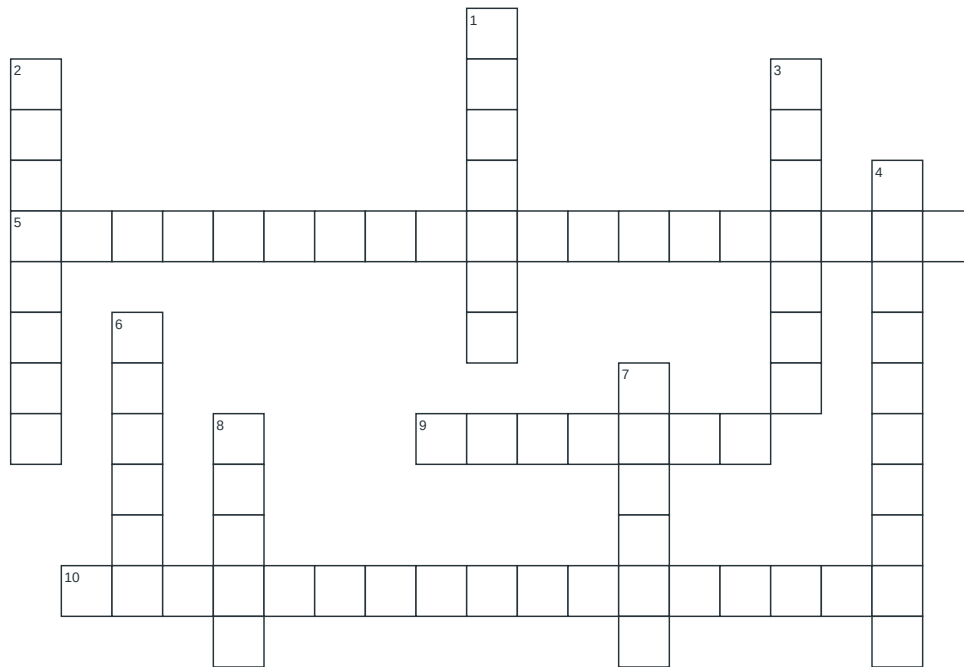
Solutions and Solubility Crossword

Easy | 10 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

- 5. One that can dissolve additional solute under the same conditions
- 9. Subatomic particle that has no electric charge
- 10. Concentration decreases

DOWN

- 1. Membrane-bound organelle that contains most eukaryotic DNA.
- 2. A mixture uniform at the particle level

DOWN (continued)

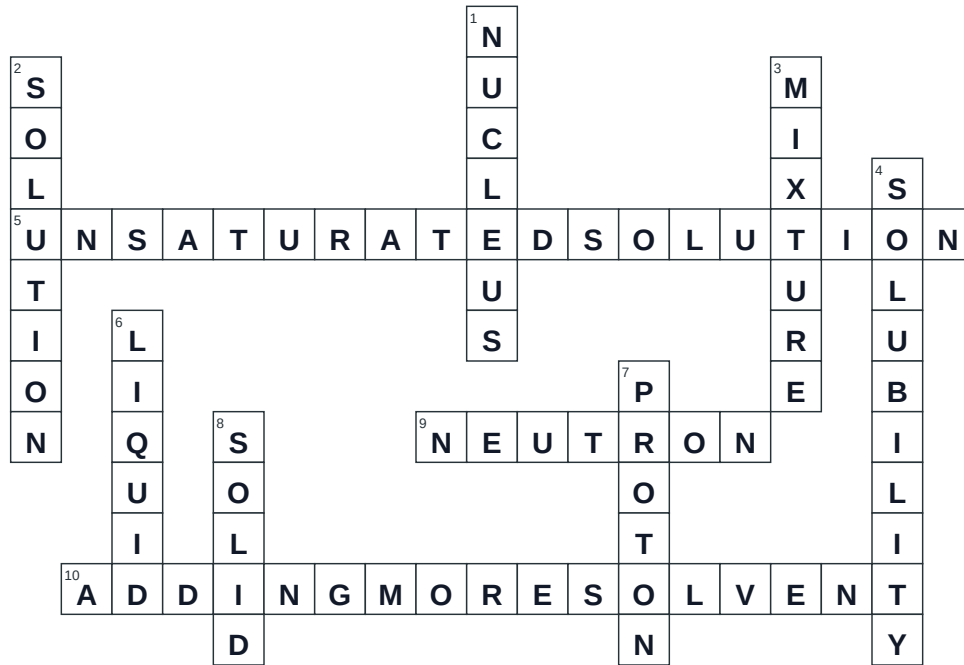
- 3. Two or more substances combined without a fixed chemical composition
- 4. The maximum amount that can dissolve under specified conditions
- 6. State generally has a fixed volume but takes the shape of its container
- 7. Subatomic particle that carries a positive electric charge
- 8. State generally has a fixed volume and a fixed shape

Solutions and Solubility 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. Unsaturated Solution
- 9. Neutron
- 10. Adding More Solvent

DOWN

- 1. Nucleus

DOWN (continued)

- 2. Solution
- 3. Mixture
- 4. Solubility
- 6. Liquid
- 7. Proton
- 8. Solid

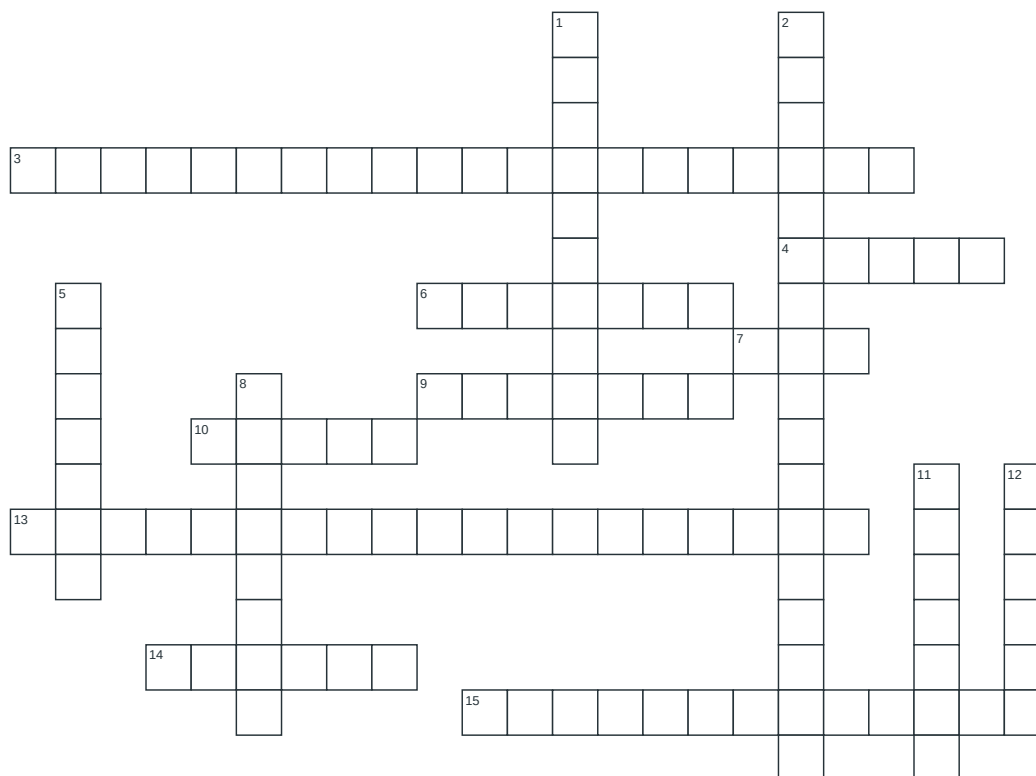
Solutions and Solubility Crossword

Medium | 15 clues | Student Worksheet

Name: _____

Date: _____

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

**ACROSS**

3. Condition in which positive and negative charges balance.
4. Definition of a vertical column of the periodic table called
6. Membrane-bound organelle that contains most eukaryotic DNA.
7. Atom or group of atoms with a net electric charge.
9. Two or more substances combined without a fixed chemical composition
10. State generally has a fixed volume and a fixed shape
13. One that can dissolve additional solute under the same conditions

ACROSS (continued)

14. Subatomic particle that carries a positive electric charge
15. Electron locations are described by regions of probability

DOWN

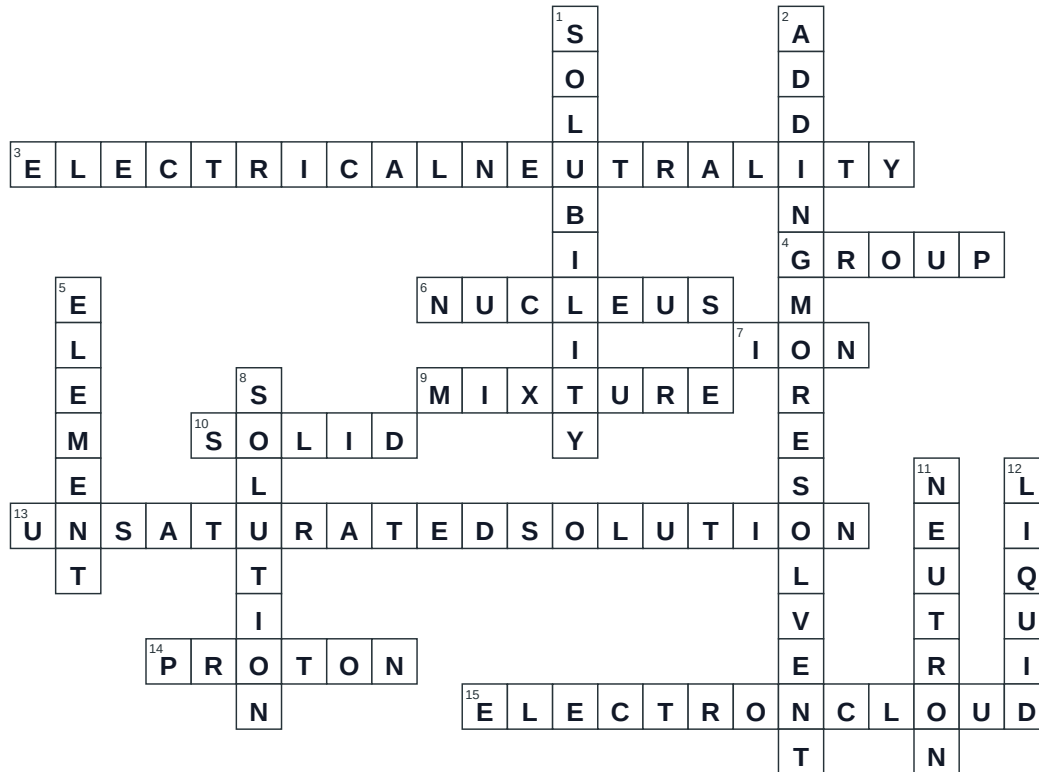
1. The maximum amount that can dissolve under specified conditions
2. Concentration decreases
5. Pure substance made of only one type of atom.
8. A mixture uniform at the particle level
11. Subatomic particle that has no electric charge
12. State generally has a fixed volume but takes the shape of its container

Solutions and Solubility 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. Electrical neutrality
4. Group
6. Nucleus
7. Ion
9. Mixture
10. Solid
13. Unsaturated Solution
14. Proton

ACROSS (continued)

15. Electron Cloud
- DOWN**
1. Solubility
 2. Adding More Solvent
 5. Element
 8. Solution
 11. Neutron
 12. Liquid

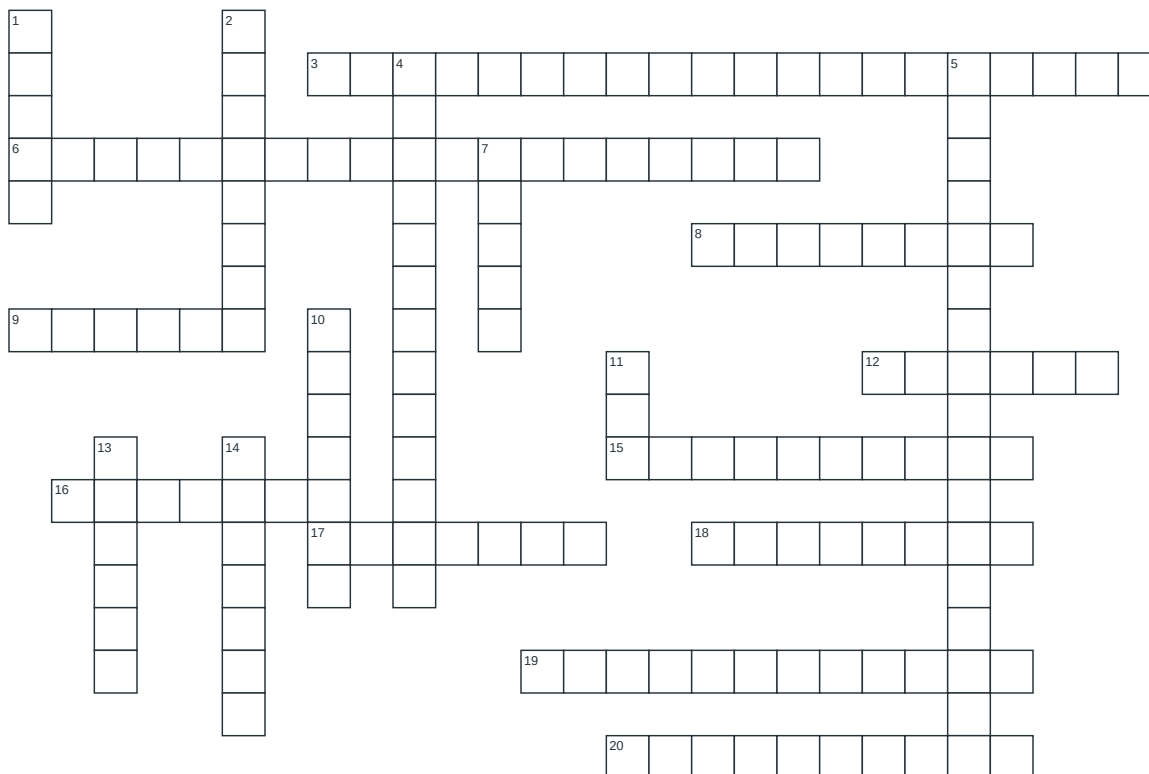
Solutions and Solubility Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

3. Condition in which positive and negative charges balance.
6. One that can dissolve additional solute under the same conditions
8. Group that includes fluorine, chlorine, and bromine
9. Element that forms the backbone of most organic molecules
12. Subatomic particle that carries a positive electric charge
15. Group that includes helium, neon, and argon
16. Two or more substances combined without a fixed chemical composition
17. Subatomic particle that has no electric charge
18. Definition of a beta-minus particle emitted in nuclear decay
19. Number of protons in an atom's nucleus.

ACROSS (continued)

20. The maximum amount that can dissolve under specified conditions

DOWN

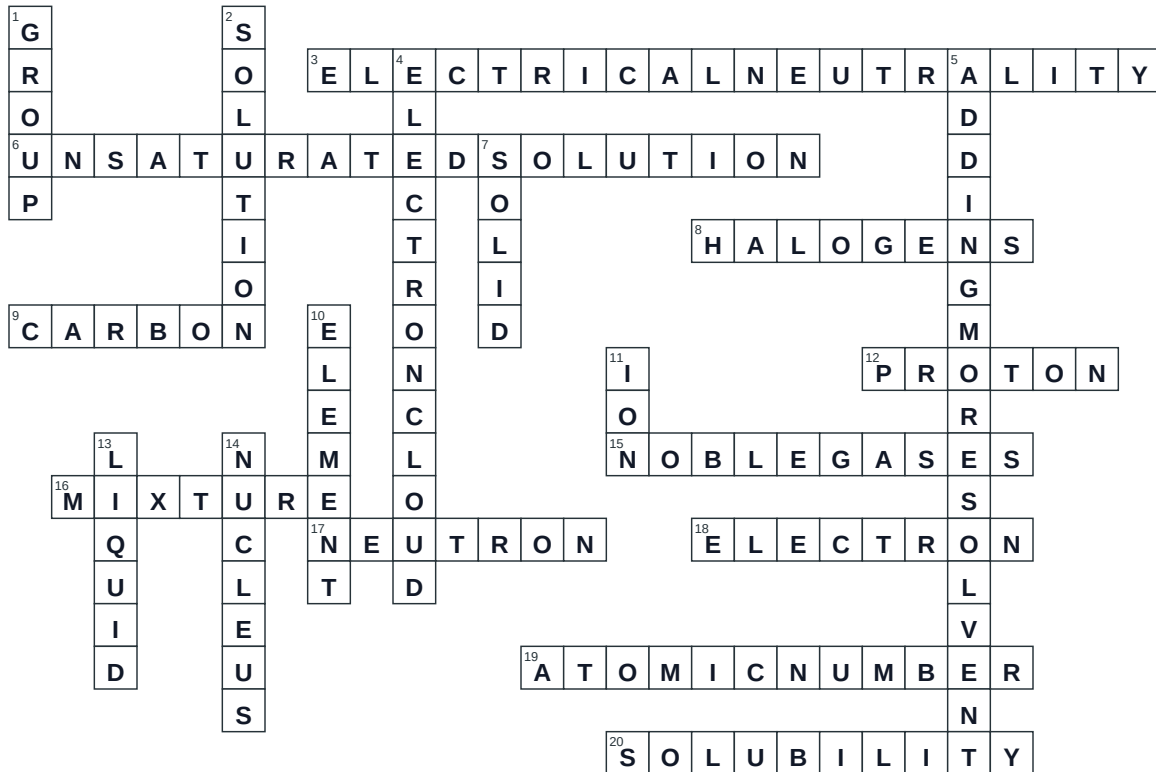
1. Definition of a vertical column of the periodic table called
2. A mixture uniform at the particle level
4. Electron locations are described by regions of probability
5. Concentration decreases
7. State generally has a fixed volume and a fixed shape
10. Pure substance made of only one type of atom.
11. Atom or group of atoms with a net electric charge.
13. State generally has a fixed volume but takes the shape of its container
14. Membrane-bound organelle that contains most eukaryotic DNA.

Solutions and Solubility 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. Electrical neutrality
6. Unsaturated Solution
8. Halogens
9. Carbon
12. Proton
15. Noble Gases
16. Mixture
17. Neutron
18. Electron
19. Atomic number
20. Solubility

DOWN

1. Group
2. Solution
4. Electron Cloud
5. Adding More Solvent
7. Solid
10. Element
11. Ion
13. Liquid
14. Nucleus