

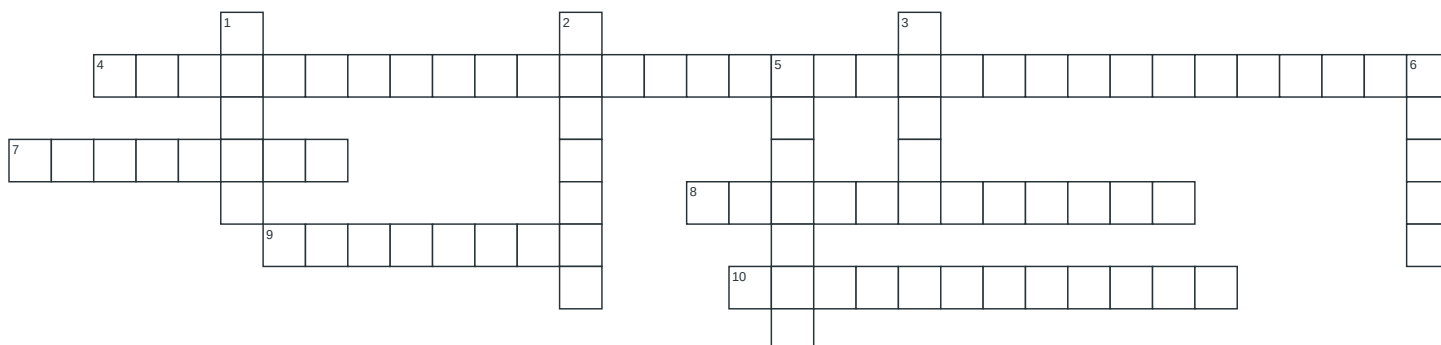
Chemical Bonding Crossword

Easy | 10 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

4. Holds oppositely charged ions together in an ionic solid
7. A discrete group of atoms held together by covalent bonds
8. Delocalized electrons associated with many metal atoms
9. Definition of a beta-minus particle emitted in nuclear decay
10. Sharing of electron pairs between atoms

DOWN

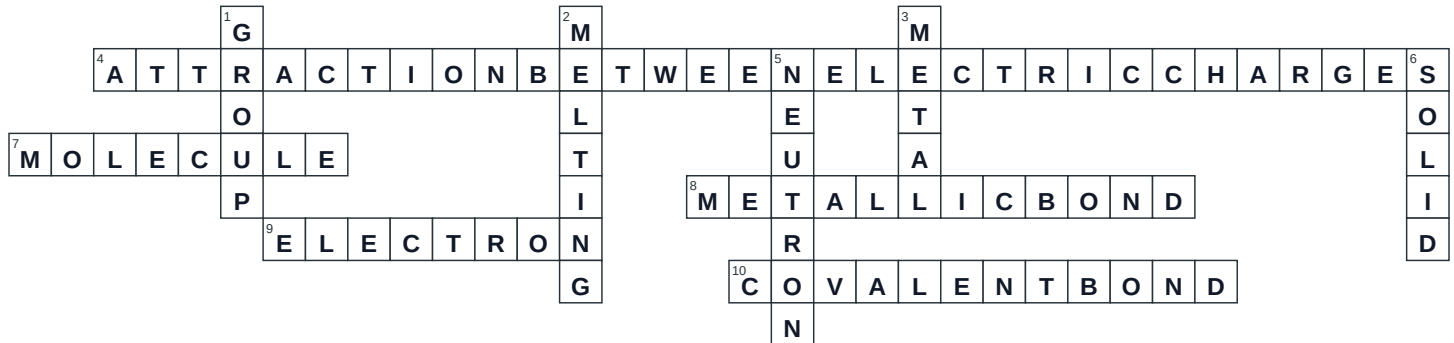
1. Definition of a vertical column of the periodic table called
2. Phase change in which a solid becomes a liquid.
3. An unfamiliar element readily conducts electricity and can be hammered into a sheet. Which classification best fits
5. Subatomic particle that has no electric charge
6. State generally has a fixed volume and a fixed shape

Chemical Bonding Crossword

Easy | 10 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

- Attraction Between Electric Charges
- Molecule
- Metallic Bond
- Electron
- Covalent Bond

DOWN

- Group
- Melting
- Metal
- Neutron
- Solid

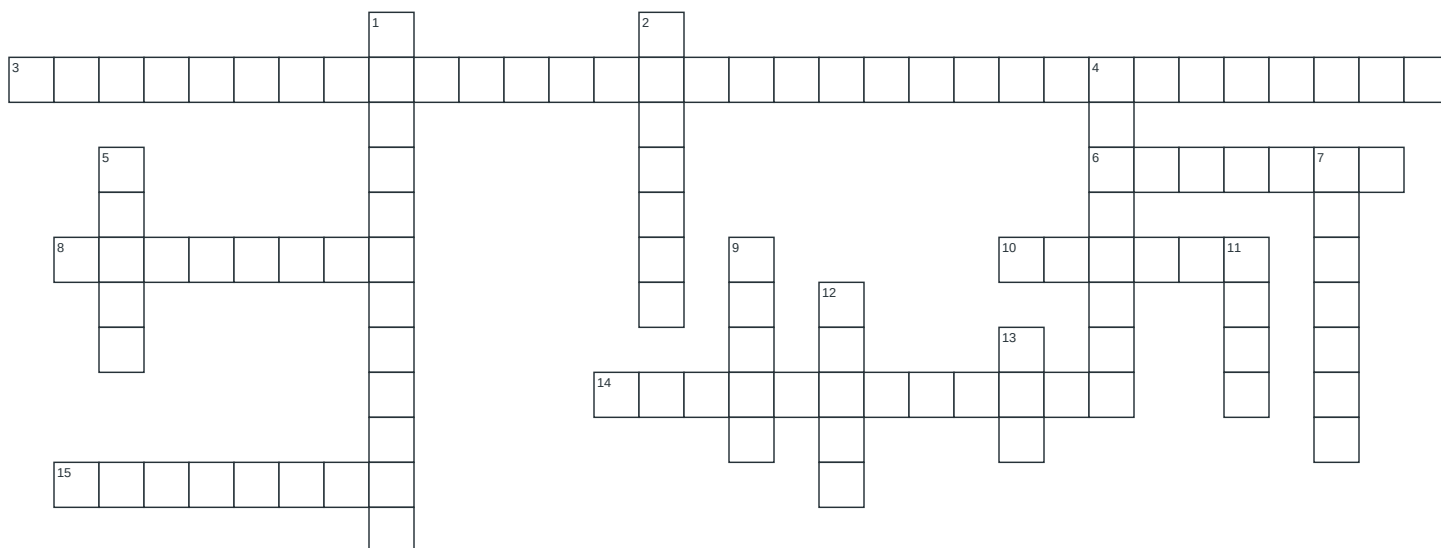
Chemical Bonding Crossword

Medium | 15 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

3. Holds oppositely charged ions together in an ionic solid
6. Phase change in which a solid becomes a liquid.
8. A discrete group of atoms held together by covalent bonds
10. Subatomic particle that carries a positive electric charge
14. Delocalized electrons associated with many metal atoms
15. Definition of a beta-minus particle emitted in nuclear decay

DOWN

1. Sharing of electron pairs between atoms

DOWN (continued)

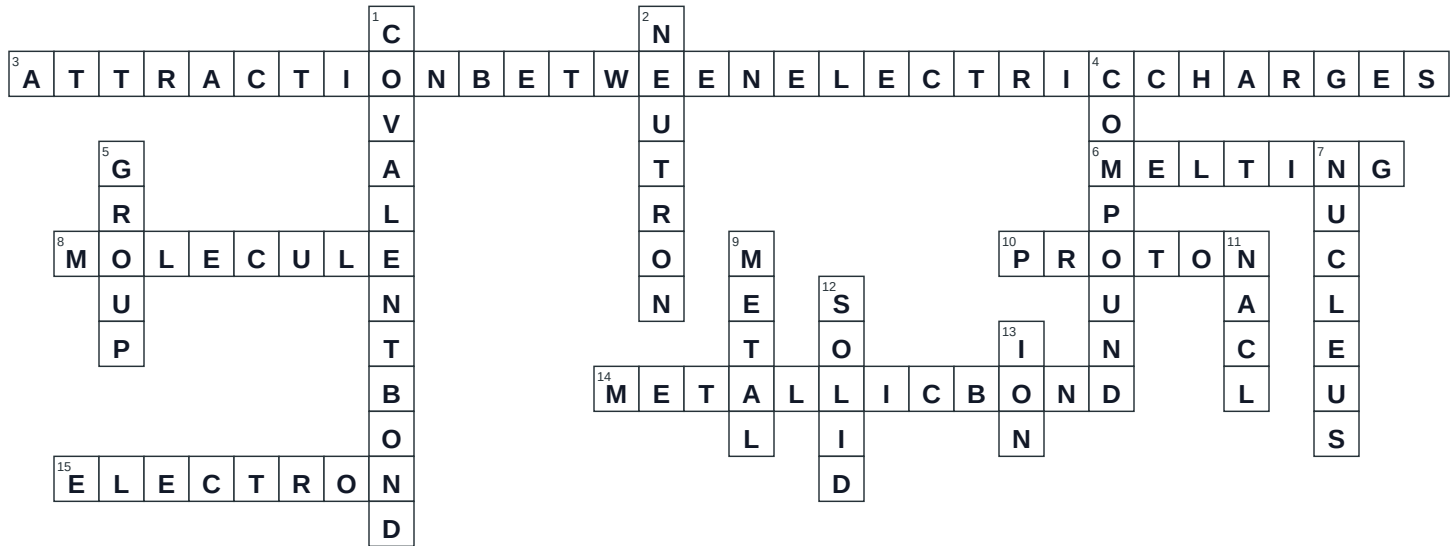
2. Subatomic particle that has no electric charge
4. Pure substance made of two or more elements chemically combined.
5. Definition of a vertical column of the periodic table called
7. Membrane-bound organelle that contains most eukaryotic DNA.
9. An unfamiliar element readily conducts electricity and can be hammered into a sheet. Which classification best fits
11. Definition of the formula for sodium chloride
12. State generally has a fixed volume and a fixed shape
13. Atom or group of atoms with a net electric charge.

Chemical Bonding 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. Attraction Between Electric Charges
6. Melting
8. Molecule
10. Proton
14. Metallic Bond
15. Electron

DOWN

1. Covalent Bond

DOWN (continued)

2. Neutron
4. Compound
5. Group
7. Nucleus
9. Metal
11. NaCl
12. Solid
13. Ion

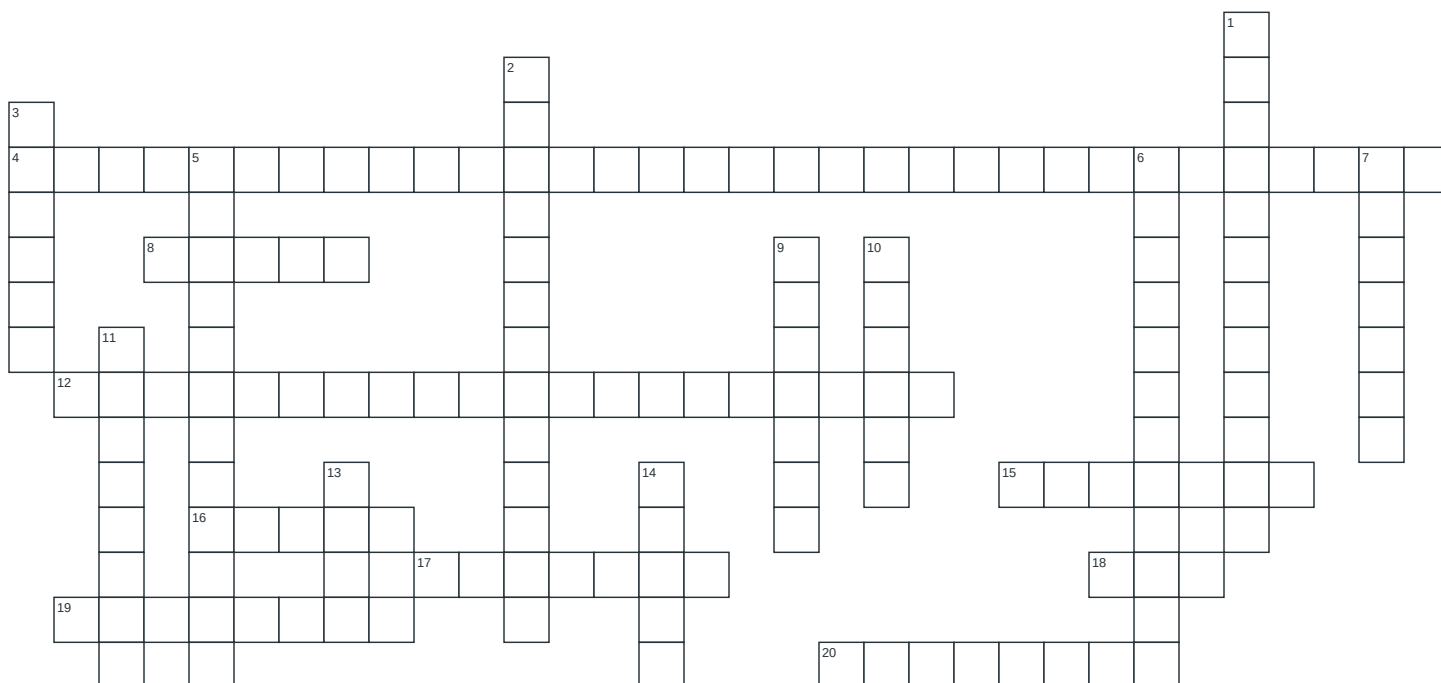
Chemical Bonding Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

4. Holds oppositely charged ions together in an ionic solid
8. State generally has a fixed volume and a fixed shape
12. Condition in which positive and negative charges balance.
15. Phase change in which a solid becomes a liquid.
16. An unfamiliar element readily conducts electricity and can be hammered into a sheet. Which classification best fits
17. Subatomic particle that has no electric charge
18. Atom or group of atoms with a net electric charge.
19. A discrete group of atoms held together by covalent bonds
20. Pure substance made of two or more elements chemically combined.

DOWN

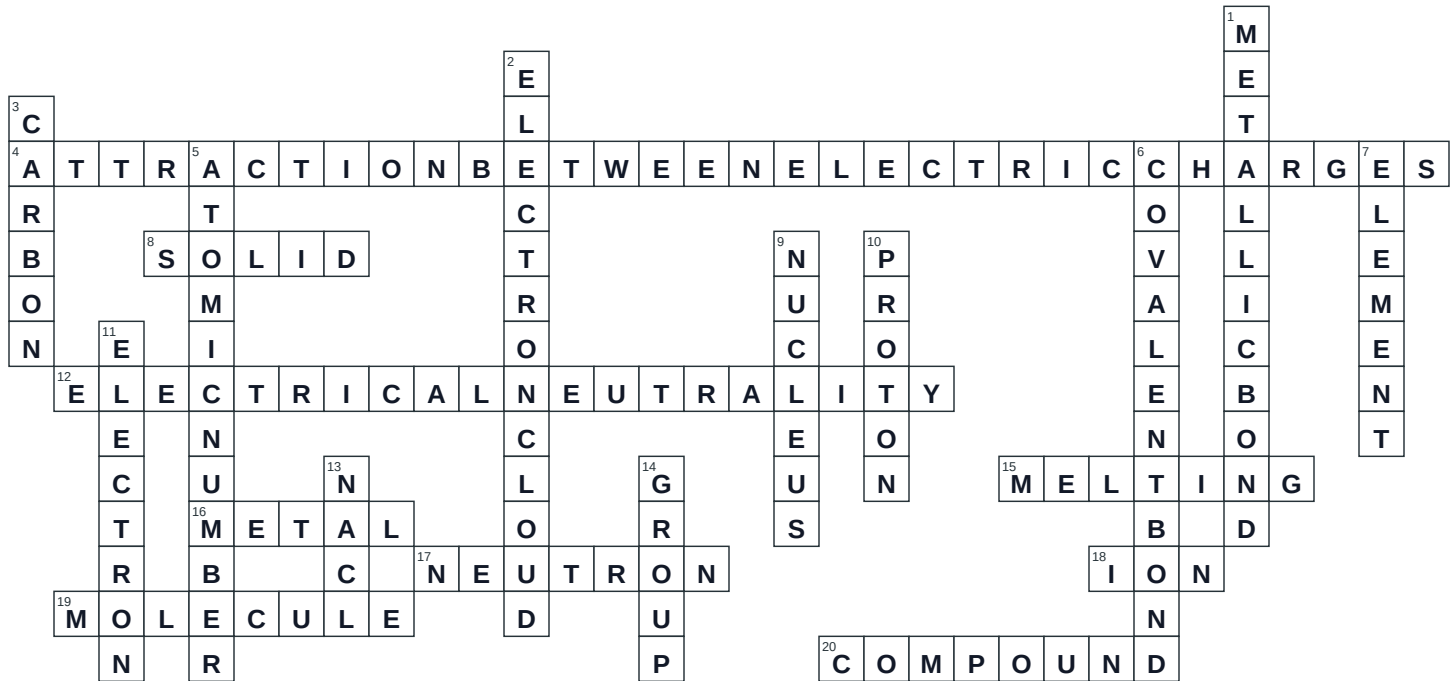
1. Delocalized electrons associated with many metal atoms
2. Electron locations are described by regions of probability
3. Element that forms the backbone of most organic molecules
5. Number of protons in an atom's nucleus.
6. Sharing of electron pairs between atoms
7. Pure substance made of only one type of atom.
9. Membrane-bound organelle that contains most eukaryotic DNA.
10. Subatomic particle that carries a positive electric charge
11. Definition of a beta-minus particle emitted in nuclear decay
13. Definition of the formula for sodium chloride
14. Definition of a vertical column of the periodic table called

Chemical Bonding Crossword

Hard | 20 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

4. Attraction Between Electric Charges
8. Solid
12. Electrical neutrality
15. Melting
16. Metal
17. Neutron
18. Ion
19. Molecule
20. Compound

DOWN

1. Metallic Bond
2. Electron Cloud
3. Carbon
5. Atomic number
6. Covalent Bond
7. Element
9. Nucleus
10. Proton
11. Electron
13. NaCl
14. Group