

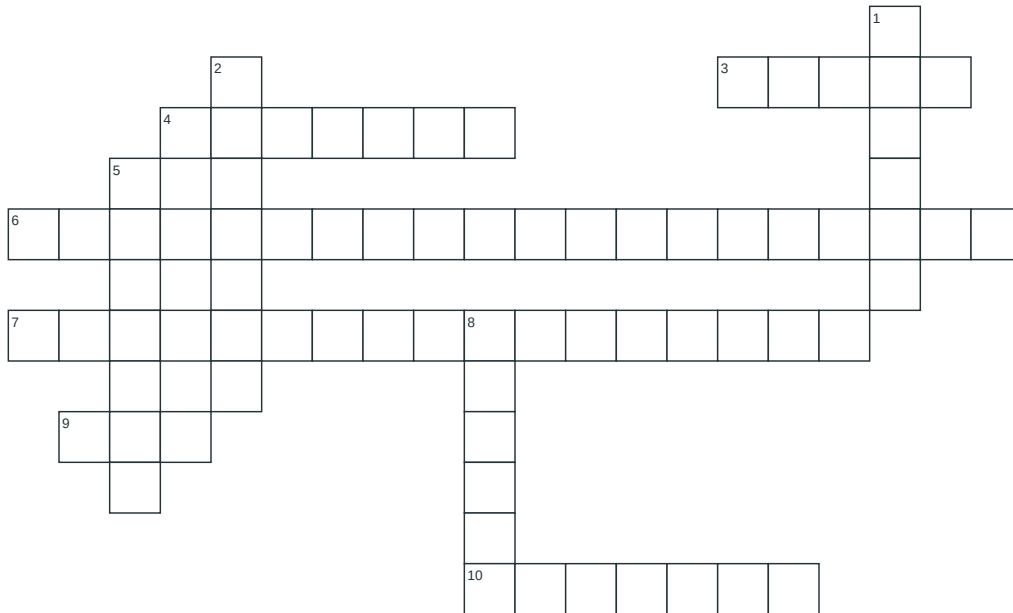
Matter Properties and Changes Crossword

Easy | 10 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

3. State generally has a fixed volume and a fixed shape
4. Property that is independent of sample amount
6. Condition in which positive and negative charges balance.
7. Property that does not depend on the amount of a sample
9. Atom or group of atoms with a net electric charge.
10. Membrane-bound organelle that contains most eukaryotic DNA.

DOWN

1. State generally has a fixed volume but takes the shape of its container
2. Phase change in which a solid becomes a liquid.
5. Subatomic particle that has no electric charge
8. Subatomic particle that carries a positive electric charge

Matter Properties and Changes Crossword

Easy | 10 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

3. Solid
4. Density
6. Electrical neutrality
7. Intensive Property
9. Ion
10. Nucleus

DOWN

1. Liquid
2. Melting
5. Neutron
8. Proton

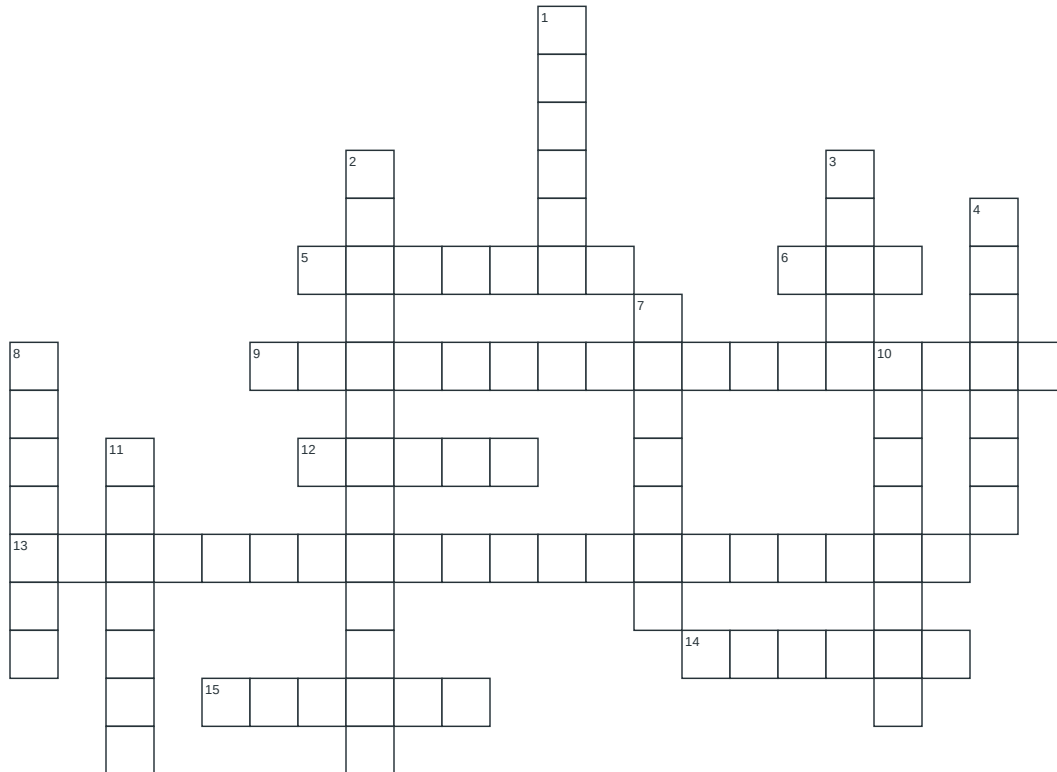
Matter Properties and Changes Crossword

Medium | 15 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

5. Phase change in which a solid becomes a liquid.
6. Atom or group of atoms with a net electric charge.
9. Property that does not depend on the amount of a sample
12. State generally has a fixed volume and a fixed shape
13. Condition in which positive and negative charges balance.
14. Element that forms the backbone of most organic molecules
15. State generally has a fixed volume but takes the shape of its container

DOWN

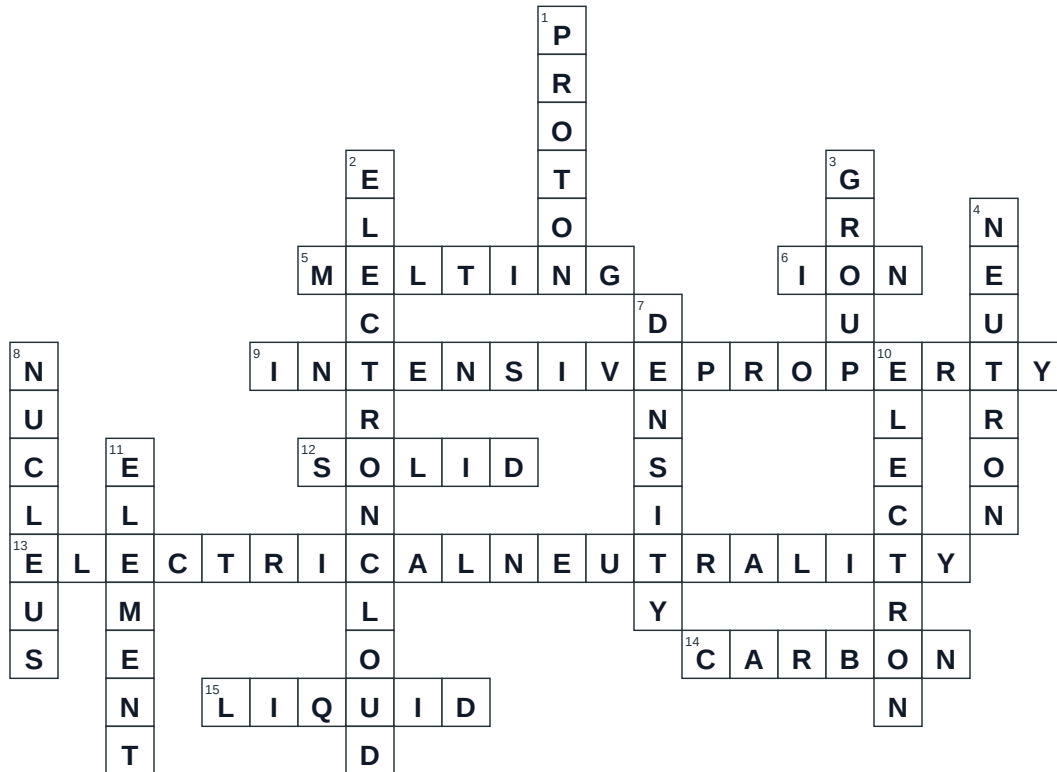
1. Subatomic particle that carries a positive electric charge
2. Electron locations are described by regions of probability
3. Definition of a vertical column of the periodic table called
4. Subatomic particle that has no electric charge
7. Property that is independent of sample amount
8. Membrane-bound organelle that contains most eukaryotic DNA.
10. Definition of a beta-minus particle emitted in nuclear decay
11. Pure substance made of only one type of atom.

Matter Properties and Changes 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. Melting
6. Ion
9. Intensive Property
12. Solid
13. Electrical neutrality
14. Carbon
15. Liquid

DOWN

1. Proton
2. Electron Cloud
3. Group
4. Neutron
7. Density
8. Nucleus
10. Electron
11. Element

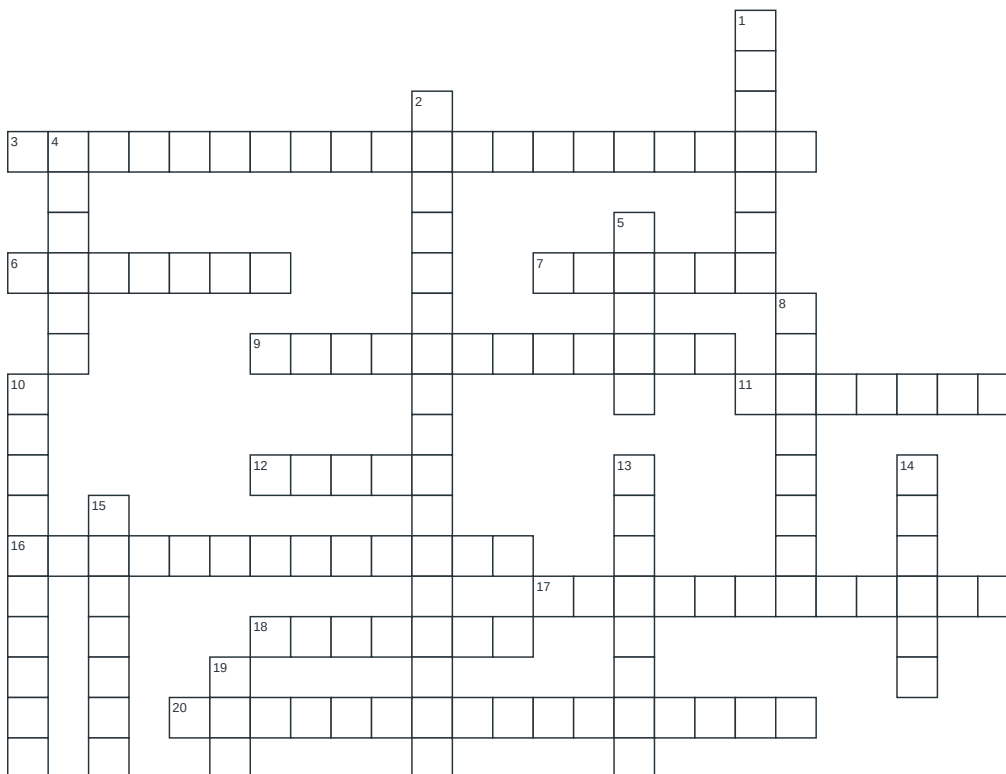
Matter Properties and Changes Crossword

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. Membrane-bound organelle that contains most eukaryotic DNA.
7. Subatomic particle that carries a positive electric charge
9. Measure related to the size of an atom.
11. Phase change in which a solid becomes a liquid.
12. Definition of a vertical column of the periodic table called
16. Electron locations are described by regions of probability
17. Number of protons in an atom's nucleus.
18. Pure substance made of only one type of atom.
20. Energy required to remove an electron from a gaseous atom or ion

DOWN

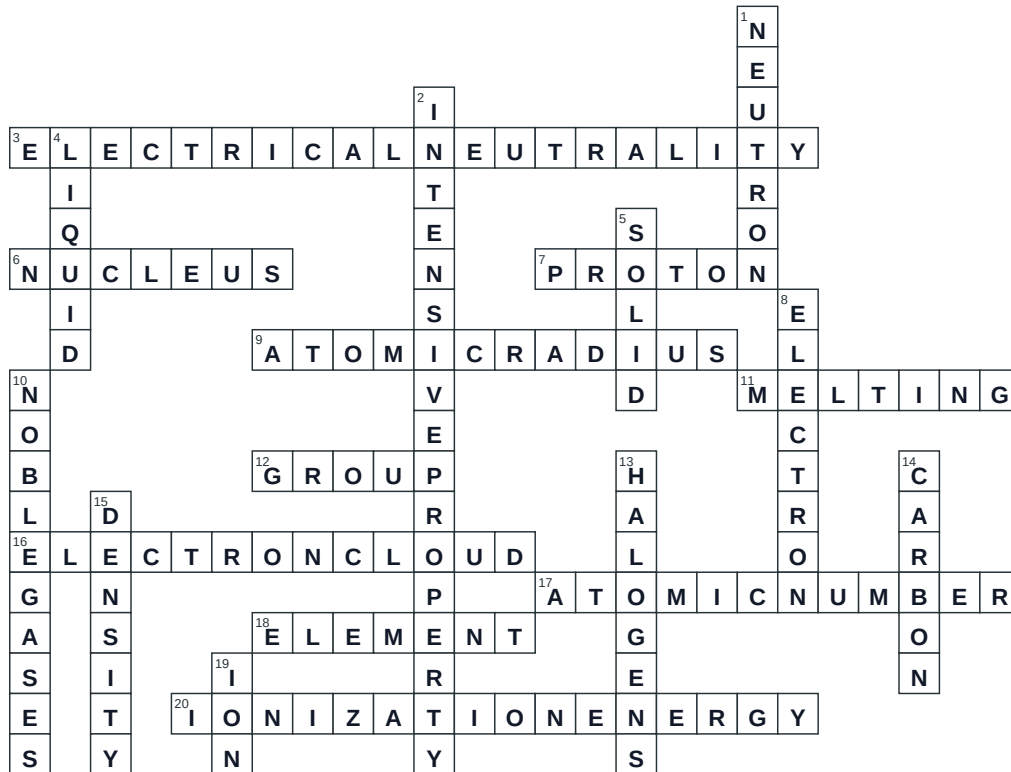
1. Subatomic particle that has no electric charge
2. Property that does not depend on the amount of a sample
4. State generally has a fixed volume but takes the shape of its container
5. State generally has a fixed volume and a fixed shape
8. Definition of a beta-minus particle emitted in nuclear decay
10. Group that includes helium, neon, and argon
13. Group that includes fluorine, chlorine, and bromine
14. Element that forms the backbone of most organic molecules
15. Property that is independent of sample amount
19. Atom or group of atoms with a net electric charge.

Matter Properties and Changes 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. Nucleus
7. Proton
9. Atomic radius
11. Melting
12. Group
16. Electron Cloud
17. Atomic number
18. Element
20. Ionization Energy

DOWN

1. Neutron
2. Intensive Property
4. Liquid
5. Solid
8. Electron
10. Noble Gases
13. Halogens
14. Carbon
15. Density
19. Ion