

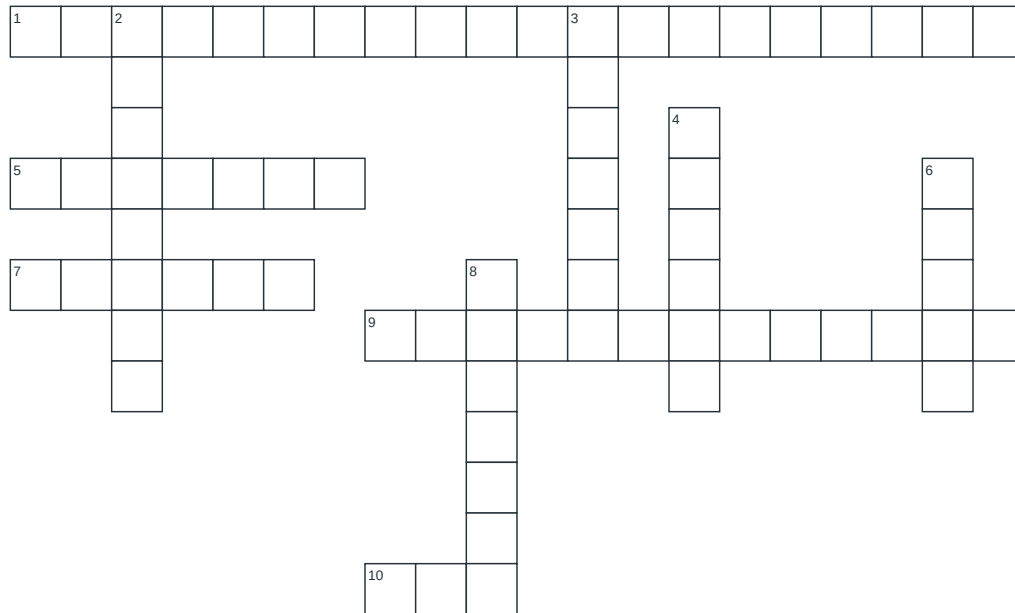
Atomic Structure Crossword

Easy | 10 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

1. The positive and negative charges balance
5. Membrane-bound organelle that contains most eukaryotic DNA.
7. Element that forms the backbone of most organic molecules
9. Electron locations are described by regions of probability
10. Atom or group of atoms with a net electric charge

DOWN

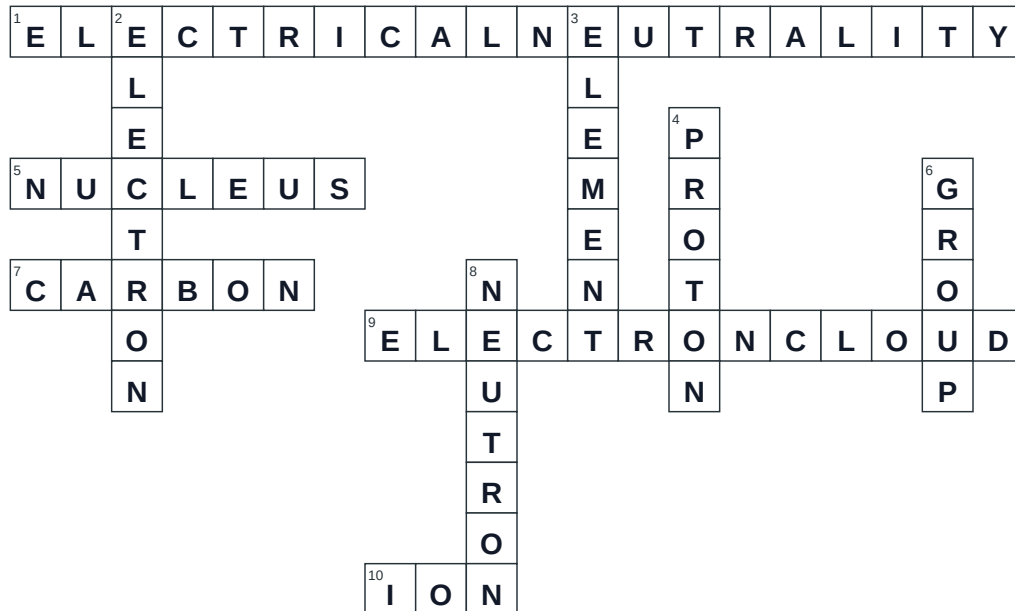
2. Definition of a beta-minus particle emitted in nuclear decay
3. Pure substance made of only one type of atom.
4. Subatomic particle that carries a positive electric charge
6. Definition of a vertical column of the periodic table called
8. Subatomic particle that has no electric charge

Atomic Structure 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. Nucleus
7. Carbon
9. Electron Cloud
10. Ion

DOWN

2. Electron
3. Element
4. Proton
6. Group
8. Neutron

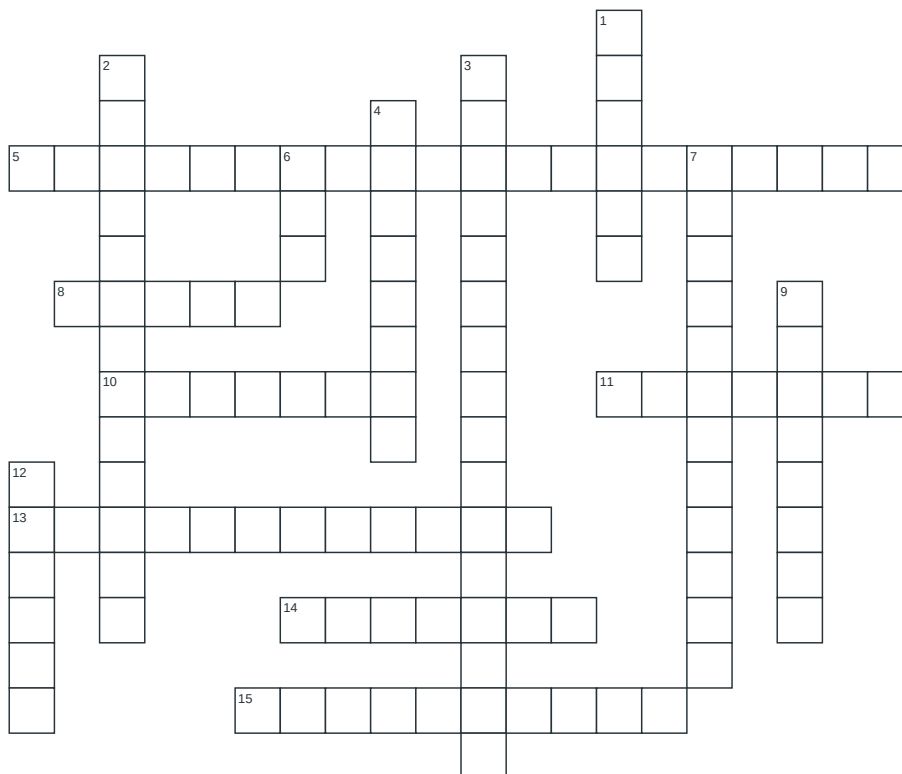
Atomic Structure Crossword

Medium | 15 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

5. The positive and negative charges balance
8. Definition of a vertical column of the periodic table called
10. Subatomic particle that has no electric charge
11. Membrane-bound organelle that contains most eukaryotic DNA.
13. Number of protons in an atom's nucleus.
14. Pure substance made of only one type of atom.
15. Group that includes helium, neon, and argon

DOWN

1. Subatomic particle that carries a positive electric charge

DOWN (continued)

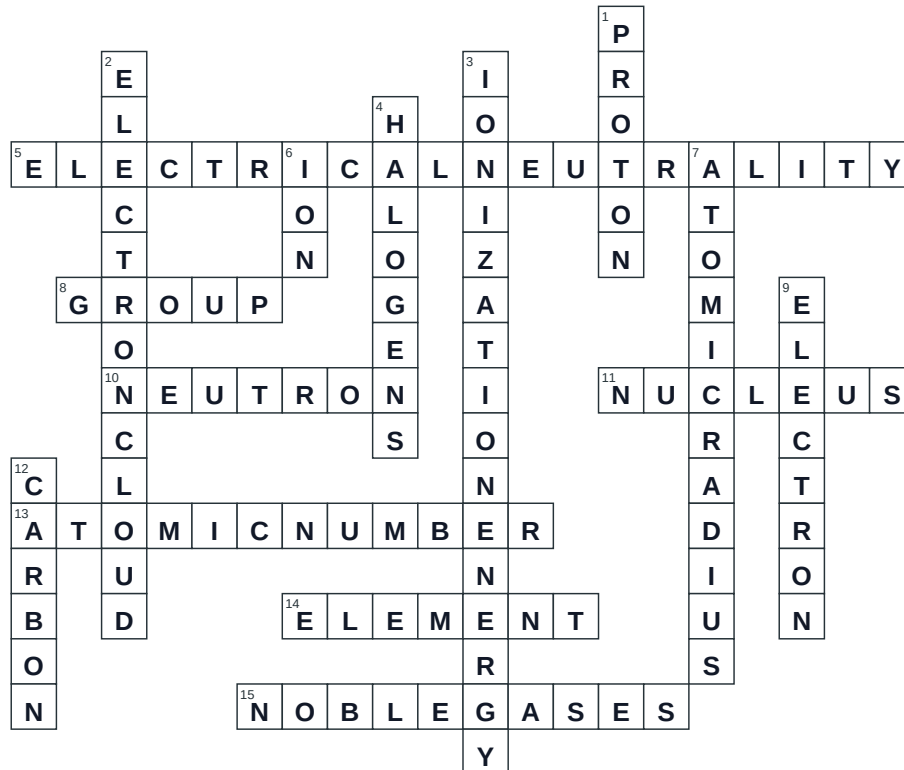
2. Electron locations are described by regions of probability
3. Energy required to remove an electron from a gaseous atom or ion
4. Group that includes fluorine, chlorine, and bromine
6. Atom or group of atoms with a net electric charge
7. Measure related to the size of an atom.
9. Definition of a beta-minus particle emitted in nuclear decay
12. Element that forms the backbone of most organic molecules

Atomic Structure 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
8. Group
10. Neutron
11. Nucleus
13. Atomic number
14. Element
15. Noble Gases

DOWN

1. Proton
2. Electron Cloud
3. Ionization Energy
4. Halogens
6. Ion
7. Atomic radius
9. Electron
12. Carbon

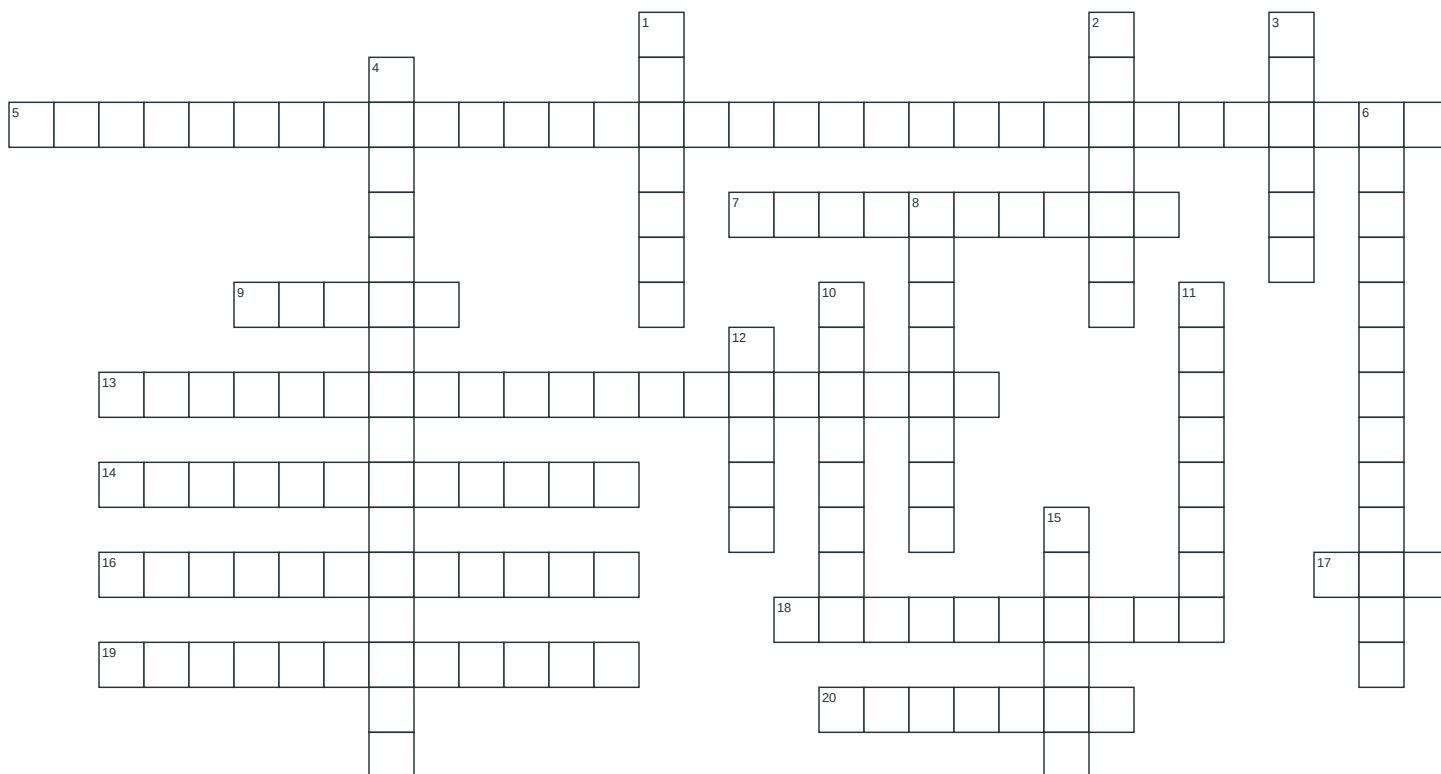
Atomic Structure Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

5. Holds oppositely charged ions together in an ionic solid
7. Group that includes helium, neon, and argon
9. An unfamiliar element readily conducts electricity and can be hammered into a sheet. Which classification best fits
13. The positive and negative charges balance
14. Sharing of electron pairs between atoms
16. Number of protons in an atom's nucleus.
17. Atom or group of atoms with a net electric charge
18. Have some properties associated with each group
19. Measure related to the size of an atom.
20. Subatomic particle that has no electric charge

DOWN

1. Pure substance made of only one type of atom.

DOWN (continued)

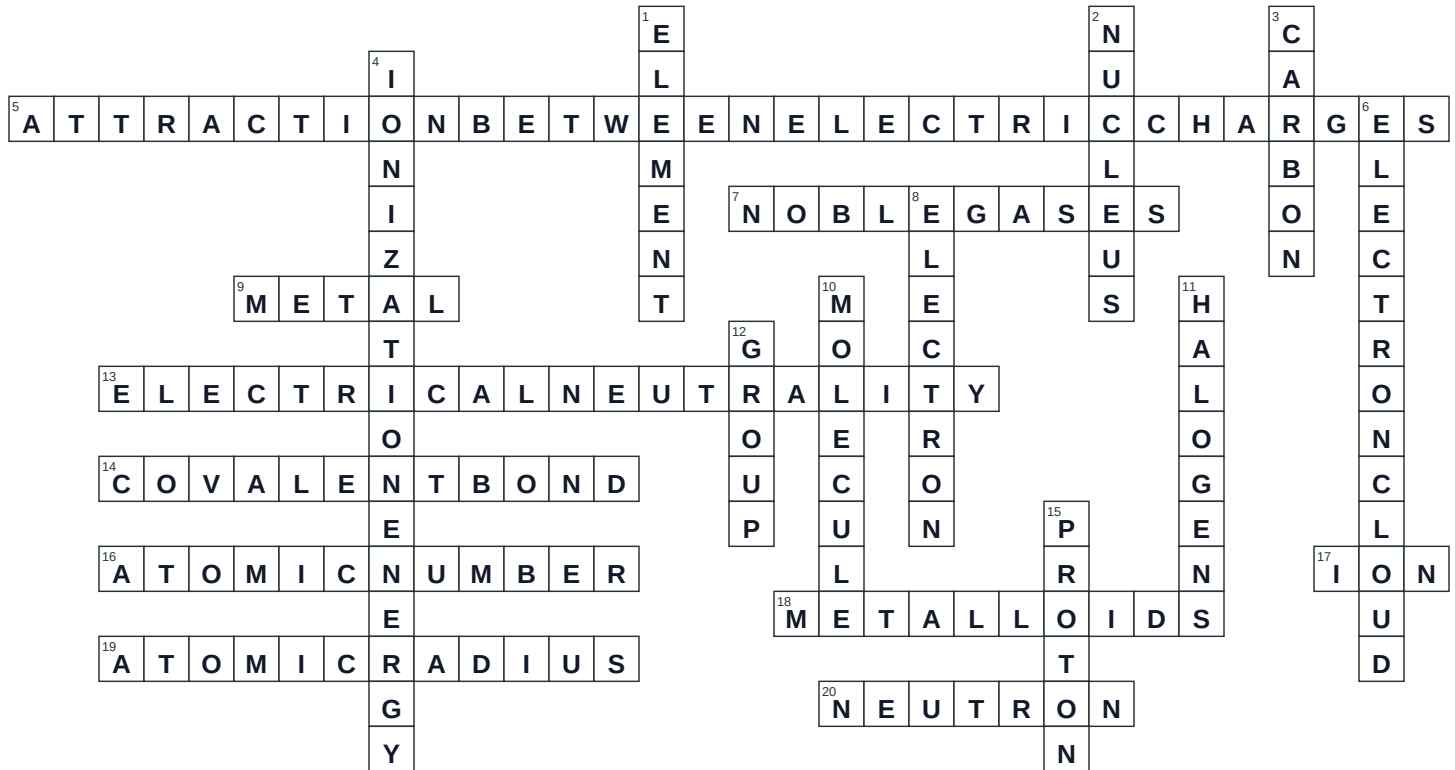
2. Membrane-bound organelle that contains most eukaryotic DNA.
3. Element that forms the backbone of most organic molecules
4. Energy required to remove an electron from a gaseous atom or ion
6. Electron locations are described by regions of probability
8. Definition of a beta-minus particle emitted in nuclear decay
10. A discrete group of atoms held together by covalent bonds
11. Group that includes fluorine, chlorine, and bromine
12. Definition of a vertical column of the periodic table called
15. Subatomic particle that carries a positive electric charge

Atomic Structure Crossword

Hard | 20 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

5. Attraction Between Electric Charges
7. Noble Gases
9. Metal
13. Electrical Neutrality
14. Covalent Bond
16. Atomic number
17. Ion
18. Metalloids
19. Atomic radius
20. Neutron

DOWN

1. Element
2. Nucleus
3. Carbon
4. Ionization Energy
6. Electron Cloud
8. Electron
10. Molecule
11. Halogens
12. Group
15. Proton