

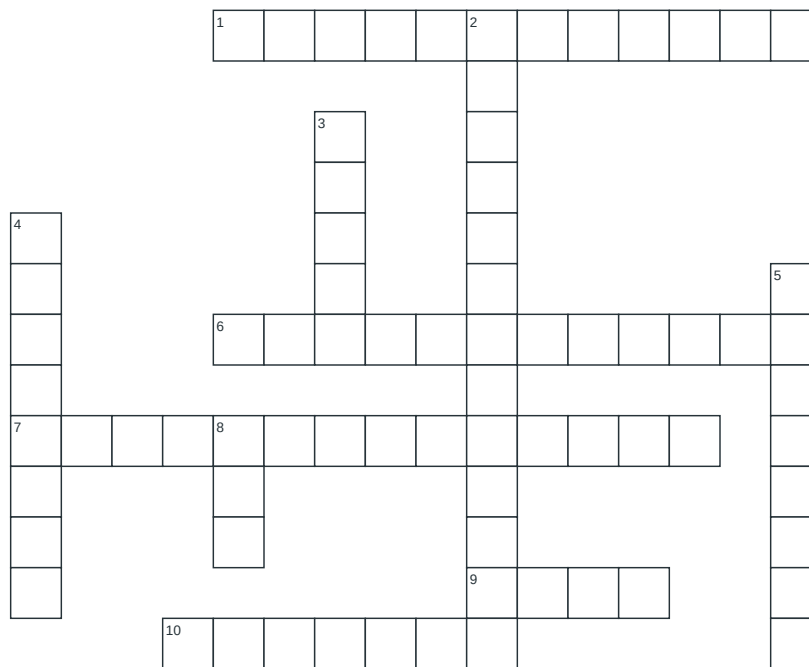
Oxidation and Reduction Crossword

Easy | 10 clues | Student Worksheet

Name: _____

Date: _____

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

**ACROSS**

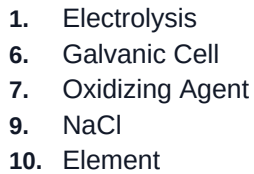
1. Uses electrical energy to drive a nonspontaneous reaction
6. A spontaneous redox reaction drives electron flow through a circuit
7. Reactant that accepts electrons and causes another reactant to be oxidized
9. Definition of the formula for sodium chloride
10. Pure substance made of only one type of atom.

DOWN

2. Reactant that donates electrons and causes another reactant to be reduced
3. An unfamiliar element readily conducts electricity and can be hammered into a sheet. Which classification best fits
4. Pure substance made of two or more elements chemically combined.
5. Definition of a beta-minus particle emitted in nuclear decay
8. Atom or group of atoms with a net electric charge.

Easy | 10 clues | Teacher Answer Key

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



2. Reducing Agent
3. Metal
4. Compound
5. Electron
8. Ion

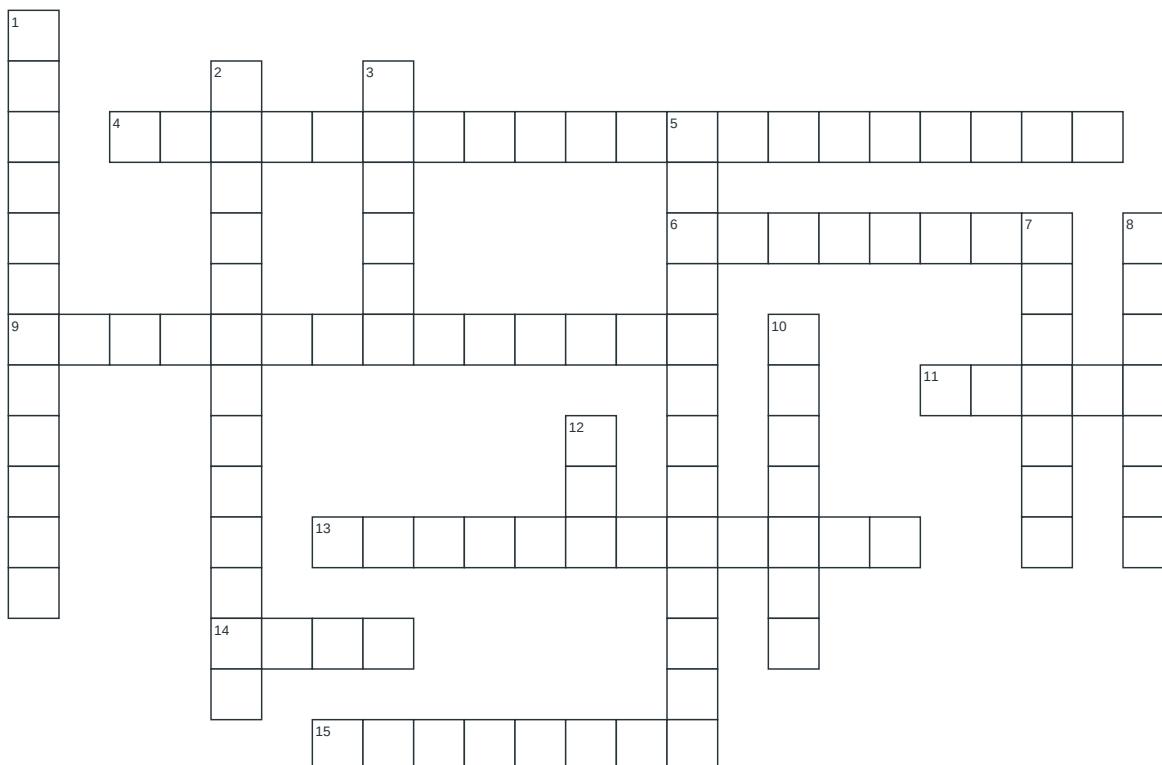
Oxidation and Reduction Crossword

Medium | 15 clues | Student Worksheet

Name: _____

Date: _____

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

**ACROSS**

4. Condition in which positive and negative charges balance.
6. Definition of a beta-minus particle emitted in nuclear decay
9. Reactant that accepts electrons and causes another reactant to be oxidized
11. An unfamiliar element readily conducts electricity and can be hammered into a sheet. Which classification best fits
13. A spontaneous redox reaction drives electron flow through a circuit
14. Definition of the formula for sodium chloride
15. Pure substance made of two or more elements chemically combined.

DOWN

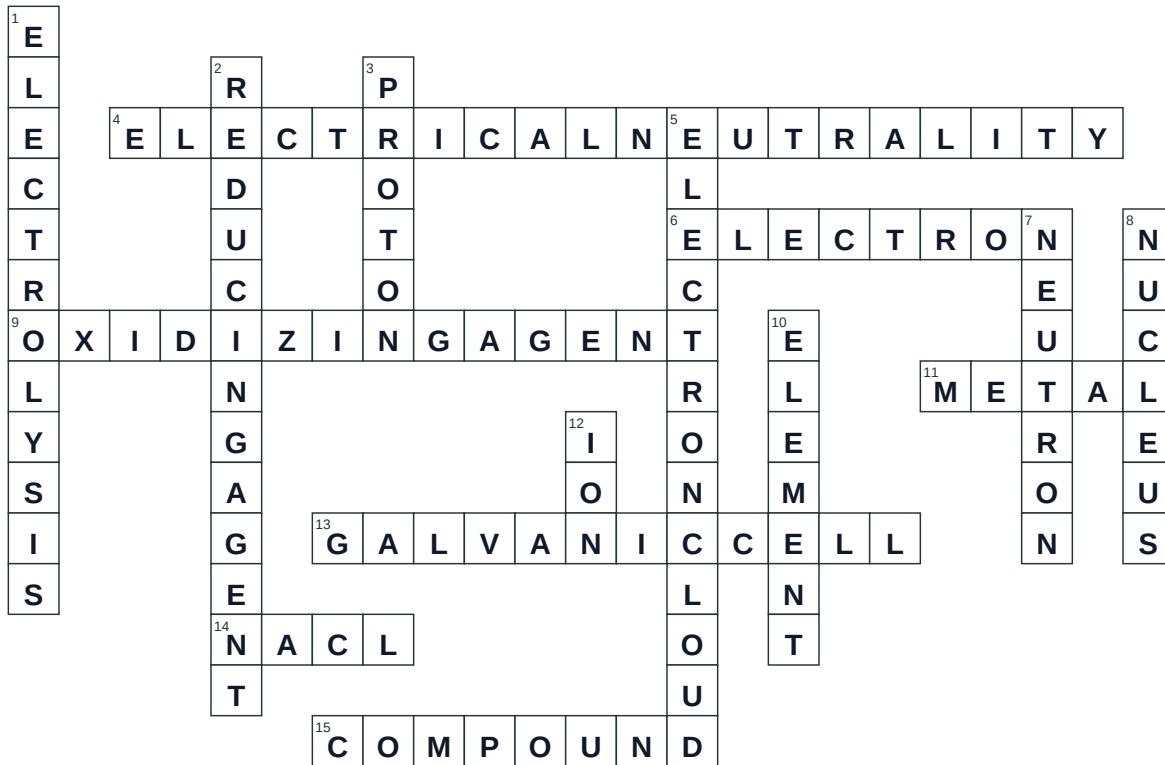
1. Uses electrical energy to drive a nonspontaneous reaction
2. Reactant that donates electrons and causes another reactant to be reduced
3. Subatomic particle that carries a positive electric charge
5. Electron locations are described by regions of probability
7. Subatomic particle that has no electric charge
8. Membrane-bound organelle that contains most eukaryotic DNA.
10. Pure substance made of only one type of atom.
12. Atom or group of atoms with a net electric charge.

Oxidation and Reduction Crossword

Medium | 15 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

4. Electrical neutrality
6. Electron
9. Oxidizing Agent
11. Metal
13. Galvanic Cell
14. NaCl
15. Compound

DOWN

1. Electrolysis
2. Reducing Agent
3. Proton
4. Cathode
5. Electron Cloud
6. Anode
7. Neutron
8. Nucleus
9. Oxidation
10. Element
11. Reduction
12. Ion

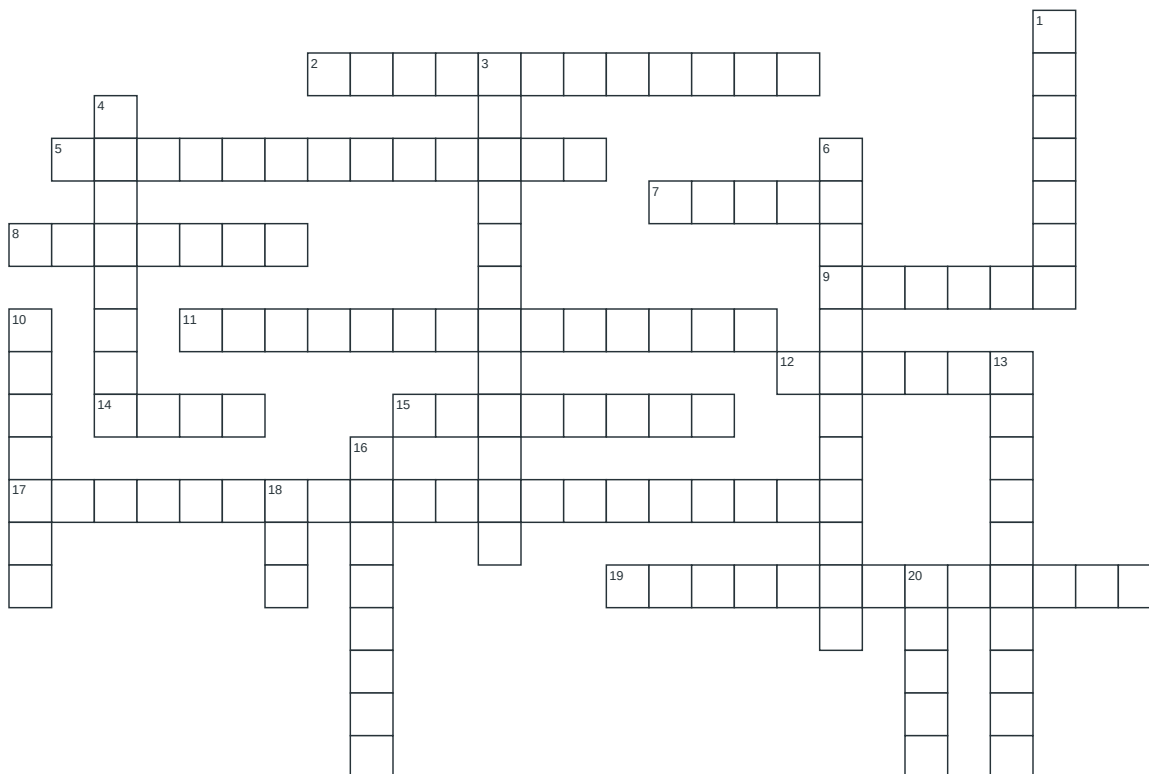
Oxidation and Reduction Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

2. A spontaneous redox reaction drives electron flow through a circuit
5. Electron locations are described by regions of probability
7. An unfamiliar element readily conducts electricity and can be hammered into a sheet. Which classification best fits
8. Membrane-bound organelle that contains most eukaryotic DNA.
9. Element that forms the backbone of most organic molecules
11. Reactant that accepts electrons and causes another reactant to be oxidized
12. Subatomic particle that carries a positive electric charge
14. Definition of the formula for sodium chloride
15. Pure substance made of two or more elements chemically combined.

ACROSS (continued)

17. Condition in which positive and negative charges balance.
19. Reactant that donates electrons and causes another reactant to be reduced

DOWN

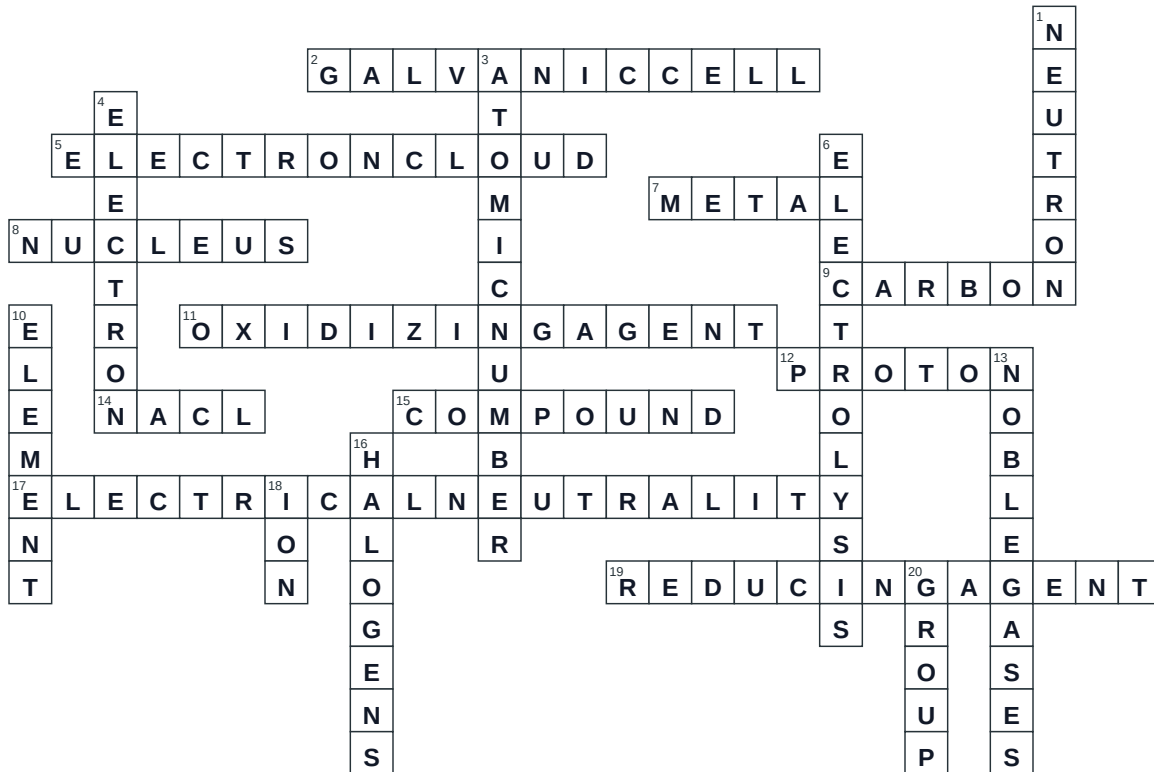
1. Subatomic particle that has no electric charge
3. Number of protons in an atom's nucleus.
4. Definition of a beta-minus particle emitted in nuclear decay
6. Uses electrical energy to drive a nonspontaneous reaction
10. Pure substance made of only one type of atom.
13. Group that includes helium, neon, and argon
16. Group that includes fluorine, chlorine, and bromine
18. Atom or group of atoms with a net electric charge.
20. Definition of a vertical column of the periodic table called

Oxidation and Reduction Crossword

Hard | 20 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

2. Galvanic Cell
5. Electron Cloud
7. Metal
8. Nucleus
9. Carbon
11. Oxidizing Agent
12. Proton
14. NaCl
15. Compound
17. Electrical neutrality
19. Reducing Agent

DOWN

1. Neutron
3. Atomic number
4. Electron
6. Electrolysis
10. Element
13. Noble Gases
16. Halogens
18. Ion
20. Group