

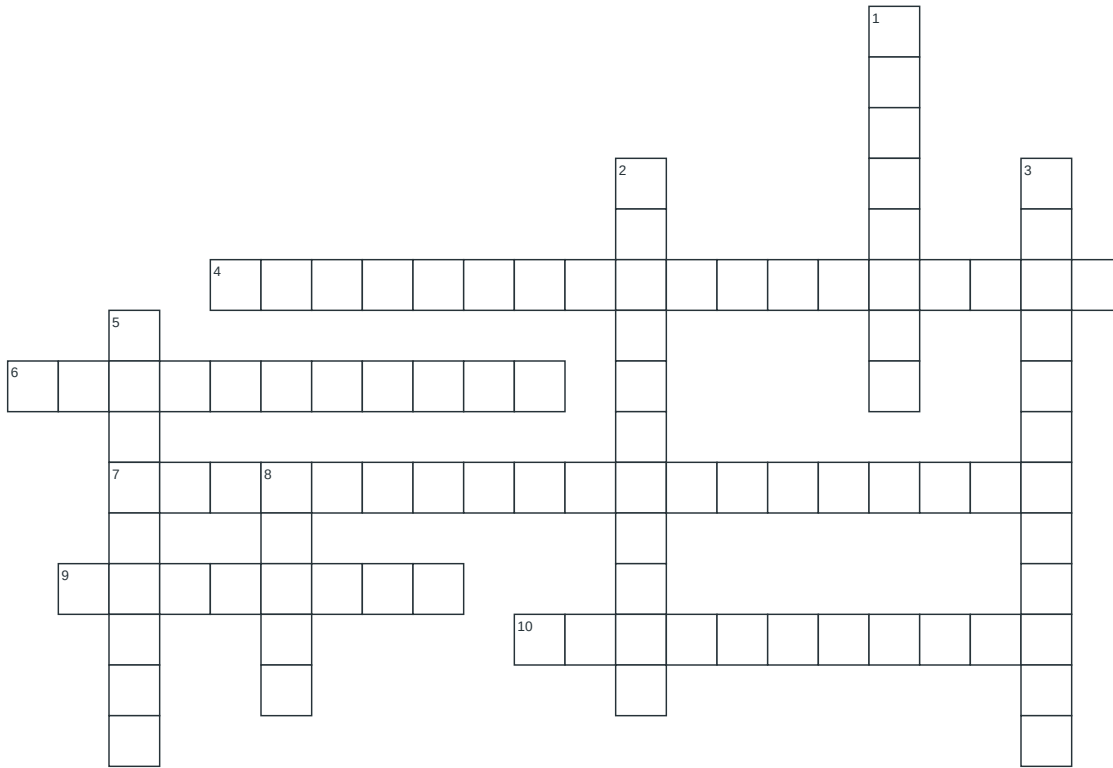
Chemical Reactions Crossword

Easy | 10 clues | Student Worksheet

Name: _____

Date: _____

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

**ACROSS**

4. A reaction that transfers net energy to its surroundings
6. An insoluble solid formed from a solution during a reaction
7. Chemical reactions rearrange atoms without creating or destroying them
9. A substance that speeds a reaction without being consumed overall
10. The relative number of particles or moles represented

DOWN

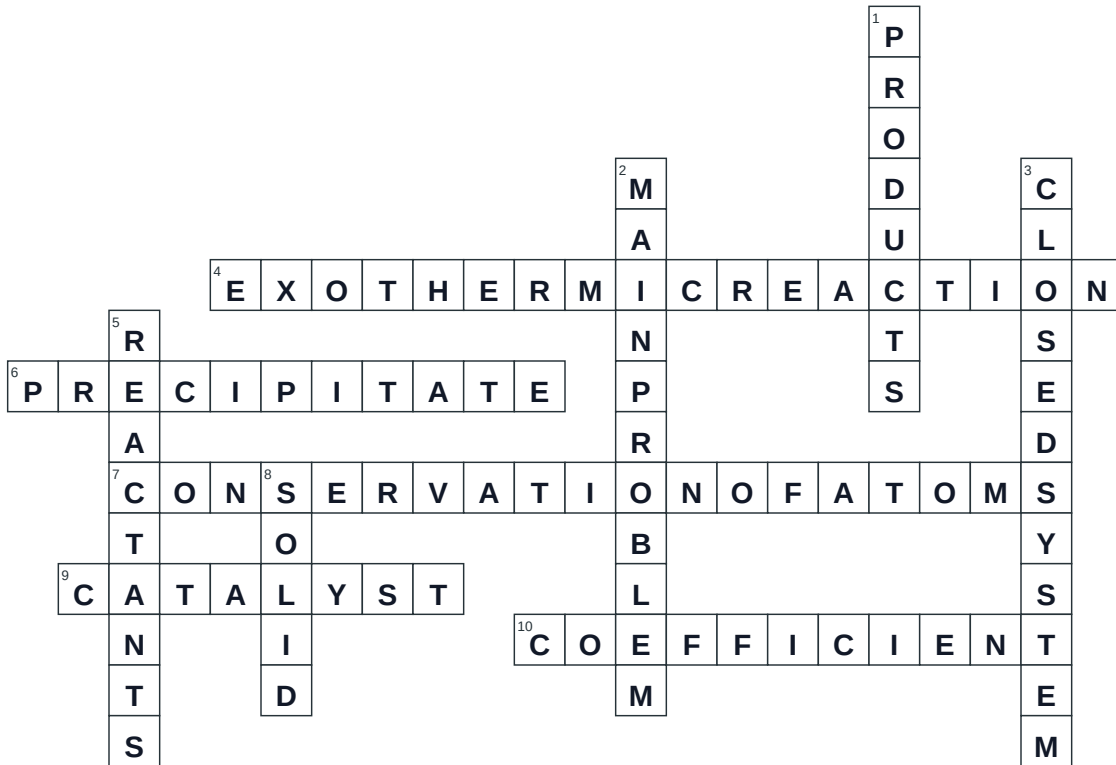
1. Substances formed by a chemical reaction
2. The student has changed the chemical identity of the product
3. Retains the matter involved in the reaction
5. Substances present before and consumed in a reaction
8. State generally has a fixed volume and a fixed shape

Chemical Reactions Crossword

Easy | 10 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

- Exothermic Reaction
- Precipitate
- Conservation Of Atoms
- Catalyst
- Coefficient

DOWN

- Products
- Main Problem
- Closed System
- Reactants
- Solid

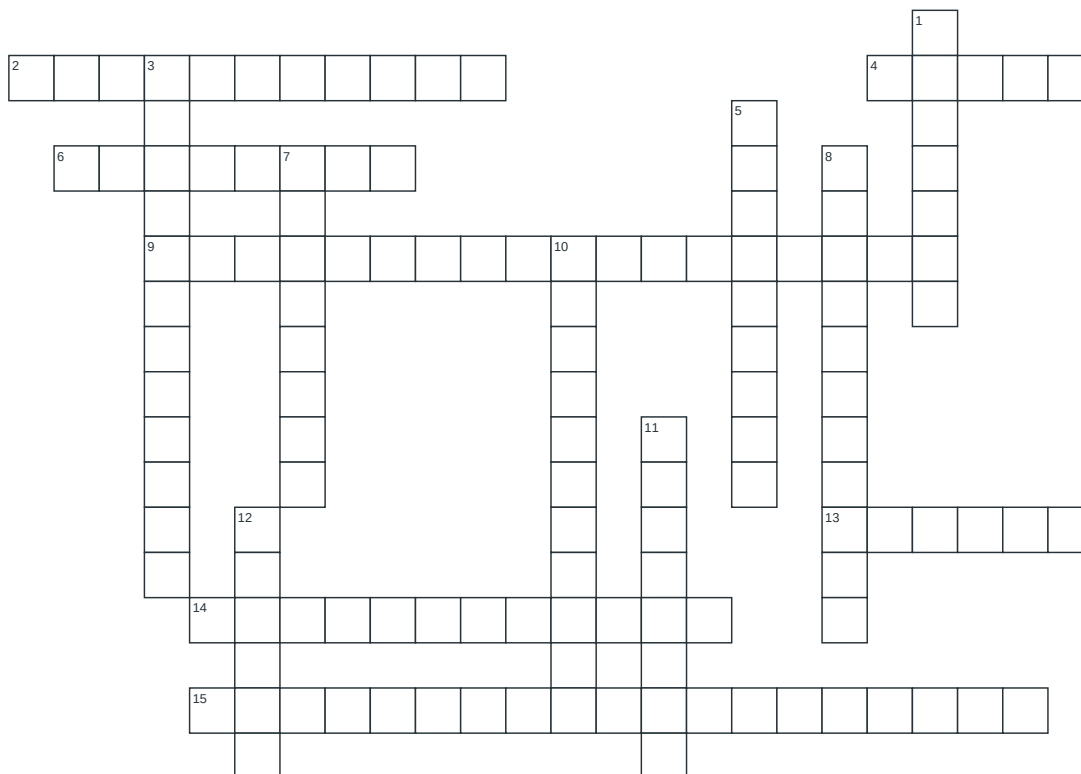
Chemical Reactions Crossword

Medium | 15 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

2. An insoluble solid formed from a solution during a reaction
4. State generally has a fixed volume and a fixed shape
6. Substances formed by a chemical reaction
9. A reaction that transfers net energy to its surroundings
13. State generally has a fixed volume but takes the shape of its container
14. Numbers are adjusted when balancing an equation without changing substances
15. Chemical reactions rearrange atoms without creating or destroying them

DOWN

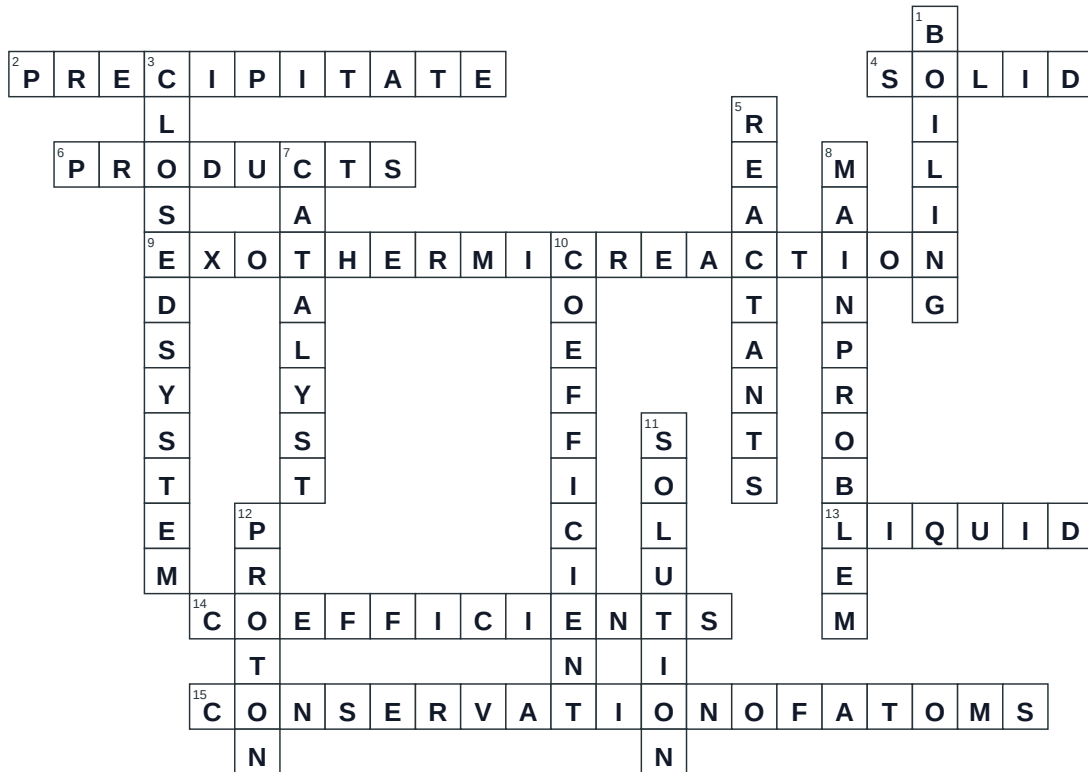
1. process forms vapor bubbles throughout the liquid under suitable conditions
3. Retains the matter involved in the reaction
5. Substances present before and consumed in a reaction
7. A substance that speeds a reaction without being consumed overall
8. The student has changed the chemical identity of the product
10. The relative number of particles or moles represented
11. Homogeneous mixture in which a solute is dispersed in a solvent.
12. Subatomic particle that carries a positive electric charge

Chemical Reactions Crossword

Medium | 15 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

2. Precipitate
4. Solid
6. Products
9. Exothermic Reaction
13. Liquid
14. Coefficients
15. Conservation Of Atoms

DOWN

1. Boiling
3. Closed System
5. Reactants
7. Catalyst
8. Main Problem
10. Coefficient
11. Solution
12. Proton

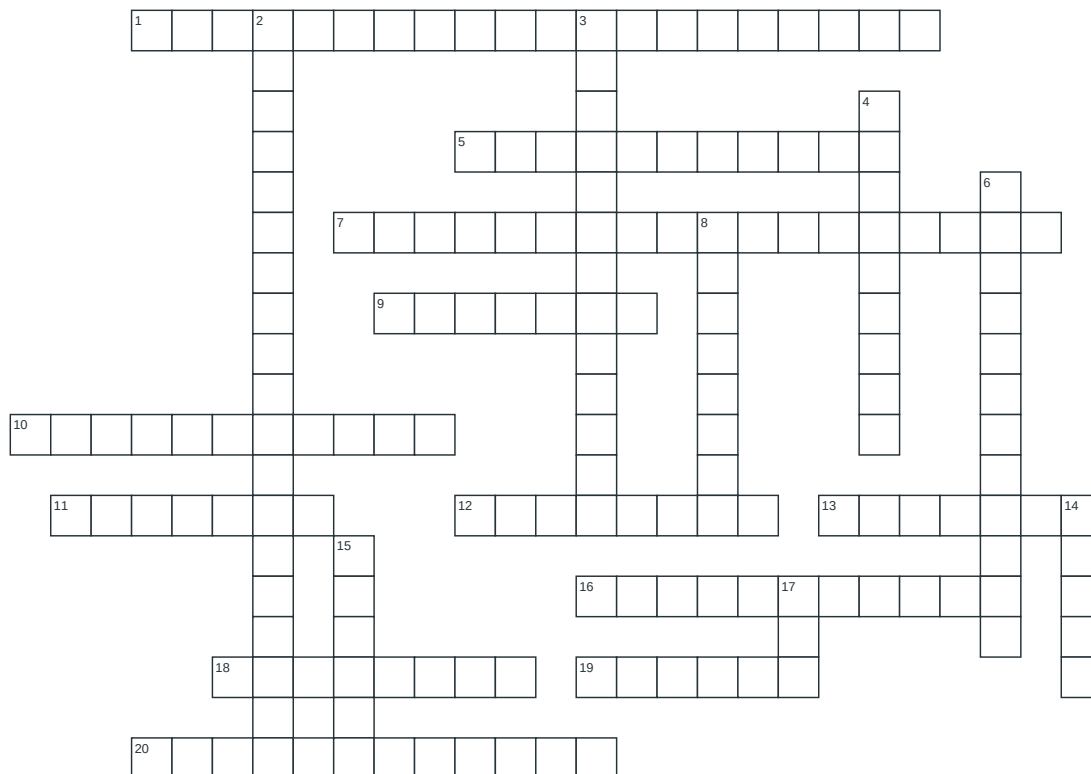
Chemical Reactions Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

- Condition in which positive and negative charges balance.
- An insoluble solid formed from a solution during a reaction
- A reaction that transfers net energy to its surroundings
- process forms vapor bubbles throughout the liquid under suitable conditions
- The student has changed the chemical identity of the product
- Subatomic particle that has no electric charge
- Substances formed by a chemical reaction
- Membrane-bound organelle that contains most eukaryotic DNA.
- The relative number of particles or moles represented
- Homogeneous mixture in which a solute is dispersed in a solvent.
- Subatomic particle that carries a positive electric charge

ACROSS (continued)

- Retains the matter involved in the reaction
- ### DOWN

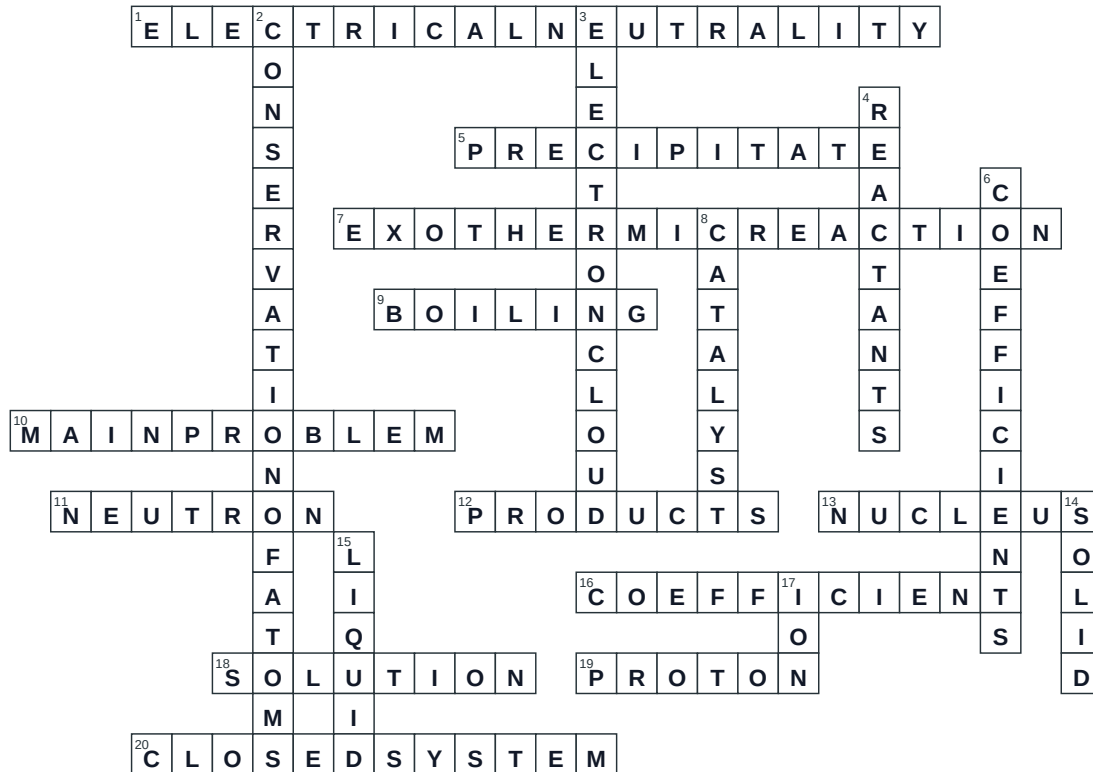
- Chemical reactions rearrange atoms without creating or destroying them
- Electron locations are described by regions of probability
- Substances present before and consumed in a reaction
- Numbers are adjusted when balancing an equation without changing substances
- A substance that speeds a reaction without being consumed overall
- State generally has a fixed volume and a fixed shape
- State generally has a fixed volume but takes the shape of its container
- Atom or group of atoms with a net electric charge.

Chemical Reactions Crossword

Hard | 20 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. Precipitate
7. Exothermic Reaction
9. Boiling
10. Main Problem
11. Neutron
12. Products
13. Nucleus
16. Coefficient
18. Solution
19. Proton

ACROSS (continued)

20. Closed System

DOWN

2. Conservation Of Atoms
3. Electron Cloud
4. Reactants
6. Coefficients
8. Catalyst
14. Solid
15. Liquid
17. Ion