

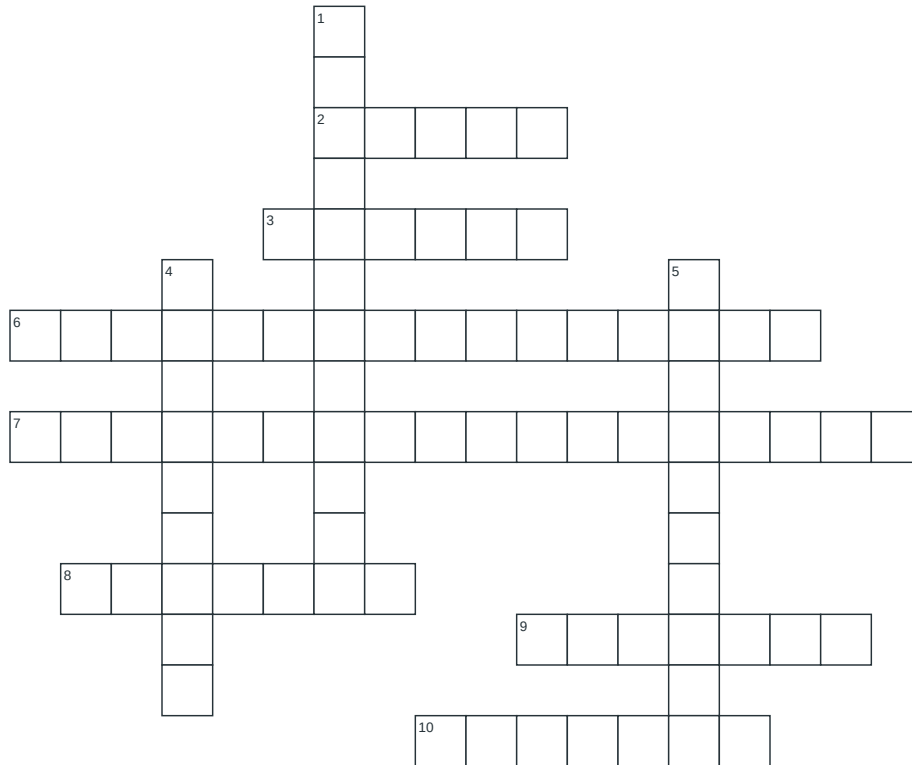
Separation Techniques Crossword

Easy | 10 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

2. State generally has a fixed volume and a fixed shape
3. State generally has a fixed volume but takes the shape of its container
6. An insoluble solid settles beneath water. Which simple method can remove most of the water without filtering
7. Mixture separation can preserve substances' chemical identities
8. process forms vapor bubbles throughout the liquid under suitable conditions

ACROSS (continued)

9. Definition of the material left on filter paper commonly called
10. Separation method that sorts solid particles by size

DOWN

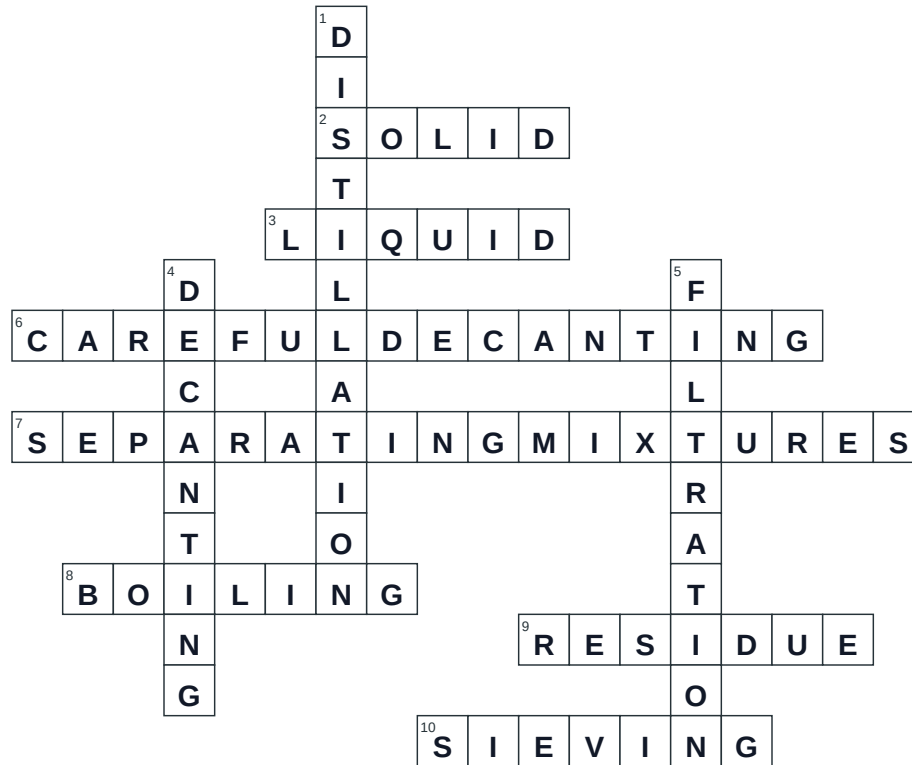
1. Separation method based on differences in boiling points
4. Separation method that pours liquid away from settled solids
5. Method that separates solid particles from a fluid using a barrier

Separation Techniques Crossword

Easy | 10 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

2. Solid
3. Liquid
6. Careful Decanting
7. Separating Mixtures
8. Boiling
9. Residue

ACROSS (continued)

10. Sieving

DOWN

1. Distillation
4. Decanting
5. Filtration

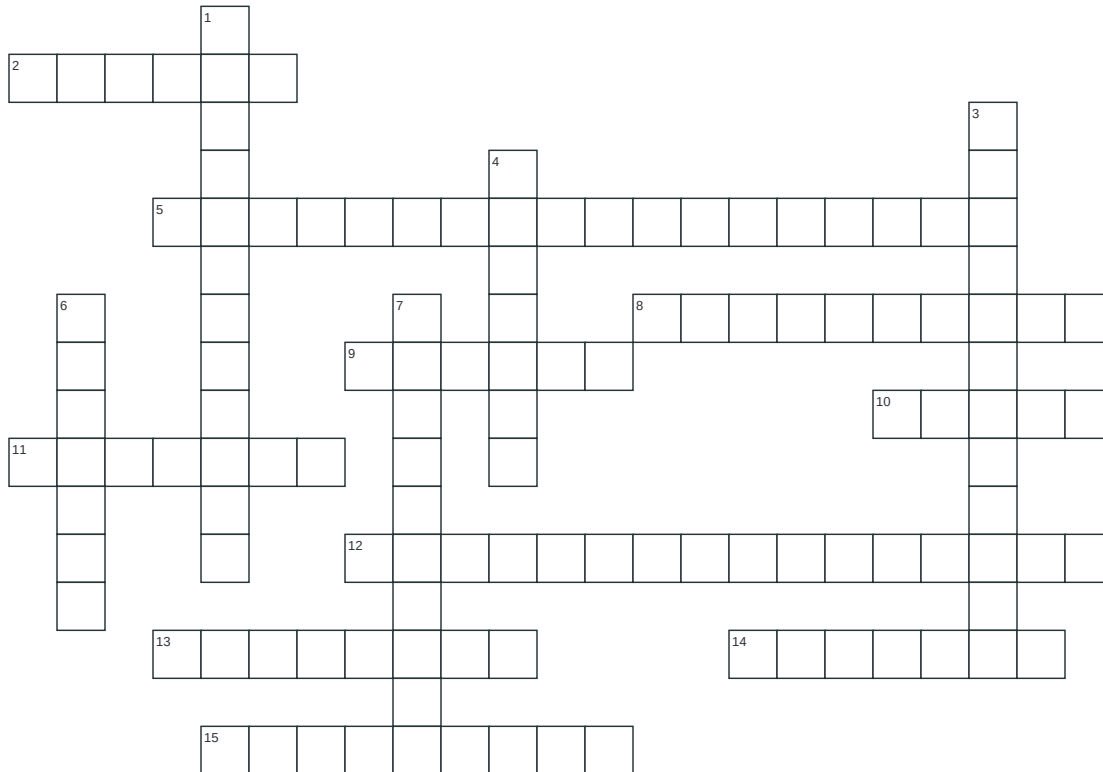
Separation Techniques Crossword

Medium | 15 clues | Student Worksheet

Name: _____

Date: _____

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

**ACROSS**

2. Subatomic particle that carries a positive electric charge
5. Mixture separation can preserve substances' chemical identities
8. The maximum amount that can dissolve under specified conditions
9. State generally has a fixed volume but takes the shape of its container
10. State generally has a fixed volume and a fixed shape
11. Separation method that sorts solid particles by size
12. An insoluble solid settles beneath water. Which simple method can remove most of the water without filtering
13. Homogeneous mixture in which a solute is dispersed in a solvent.

ACROSS (continued)

14. process forms vapor bubbles throughout the liquid under suitable conditions
15. Separation method that pours liquid away from settled solids

DOWN

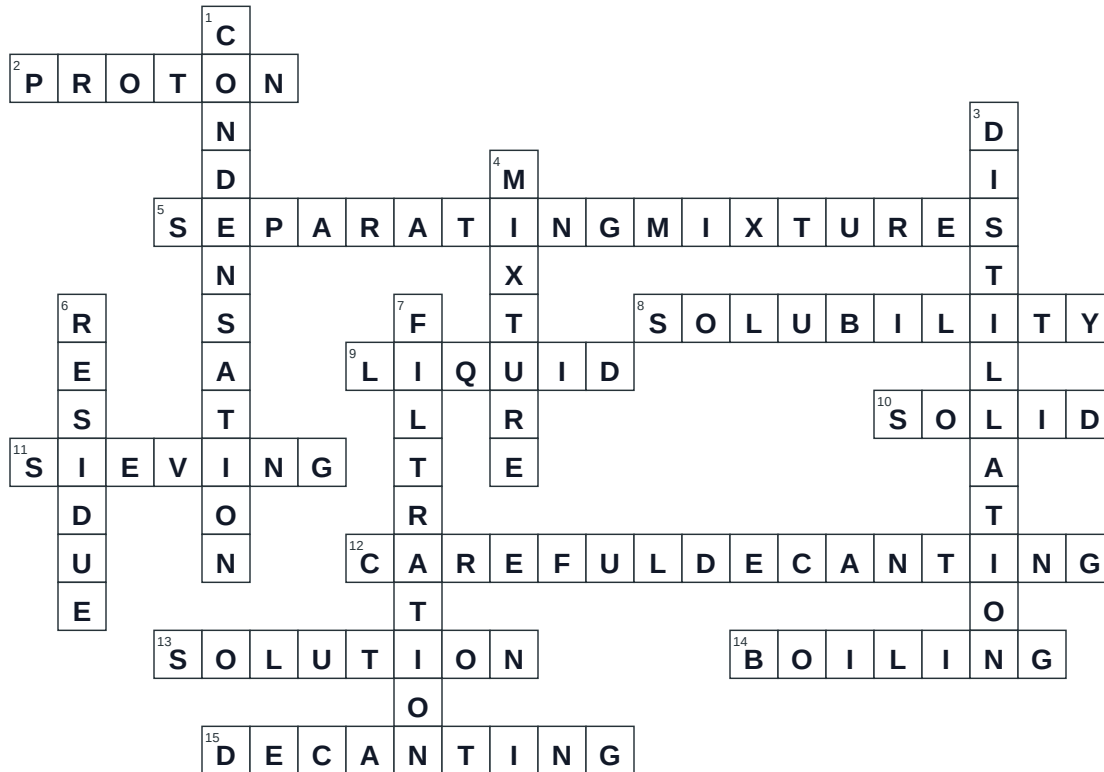
1. Change from water vapor to liquid droplets.
3. Separation method based on differences in boiling points
4. Two or more substances combined without a fixed chemical composition
6. Definition of the material left on filter paper commonly called
7. Method that separates solid particles from a fluid using a barrier

Separation Techniques 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. Proton
- 5. Separating Mixtures
- 8. Solubility
- 9. Liquid
- 10. Solid
- 11. Sieving
- 12. Careful Decanting
- 13. Solution

ACROSS (continued)

- 14. Boiling
- 15. Decanting

DOWN

- 1. Condensation
- 3. Distillation
- 4. Mixture
- 6. Residue
- 7. Filtration

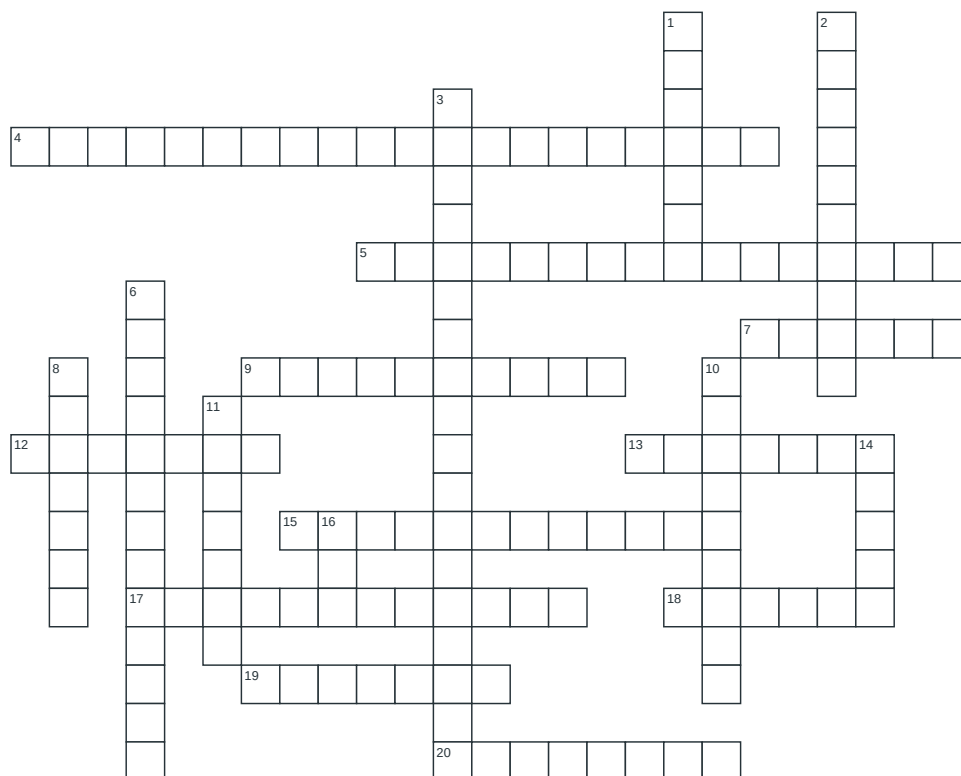
Separation Techniques Crossword

Hard | 20 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.
5. An insoluble solid settles beneath water. Which simple method can remove most of the water without filtering
7. Subatomic particle that carries a positive electric charge
9. The maximum amount that can dissolve under specified conditions
12. Subatomic particle that has no electric charge
13. Membrane-bound organelle that contains most eukaryotic DNA.
15. Separation method based on differences in boiling points
17. Change from water vapor to liquid droplets.
18. State generally has a fixed volume but takes the shape of its container
19. Two or more substances combined without a fixed chemical composition

ACROSS (continued)

20. Homogeneous mixture in which a solute is dispersed in a solvent.

DOWN

1. Definition of the material left on filter paper commonly called
2. Method that separates solid particles from a fluid using a barrier
3. Mixture separation can preserve substances' chemical identities
6. Electron locations are described by regions of probability
8. Separation method that sorts solid particles by size
10. Separation method that pours liquid away from settled solids
11. process forms vapor bubbles throughout the liquid under suitable conditions
14. State generally has a fixed volume and a fixed shape
16. Atom or group of atoms with a net electric charge.

Separation Techniques 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. Electrical neutrality
5. Careful Decanting
7. Proton
9. Solubility
12. Neutron
13. Nucleus
15. Distillation
17. Condensation
18. Liquid
19. Mixture
20. Solution

DOWN

1. Residue
2. Filtration
3. Separating Mixtures
6. Electron Cloud
8. Sieving
10. Decanting
11. Boiling
14. Solid
16. Ion