

Static Electricity Crossword

Easy | 10 clues | Student Worksheet

Name: _____

Date: _____

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

[illegible]

ACROSS

1. Net charge is conserved in an isolated system
5. A material in which charge does not move freely through the bulk
6. Connection that lets charge move between an object and Earth.
7. Particles usually move between objects during static charging
8. Becomes one-fourth as large
9. Material in which electric charge does not move freely through the bulk.

ACROSS (continued)

- 10.** Net electric charge resulting when an object has fewer electrons than protons.

DOWN

2. Net electric charge resulting when an object has more electrons than protons.
3. The repulsive force decreases
4. Redistribution of charge within an object without necessarily changing its net charge.

Easy | 10 clues | Teacher Answer Key

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



1. Conservation Of Electric Charge
5. Electrical Insulator
6. Grounding
7. Electrons
8. Coulomb's Law
9. Insulator

10. Positive charge

2. Negative charge
3. Electric Force
4. Polarization

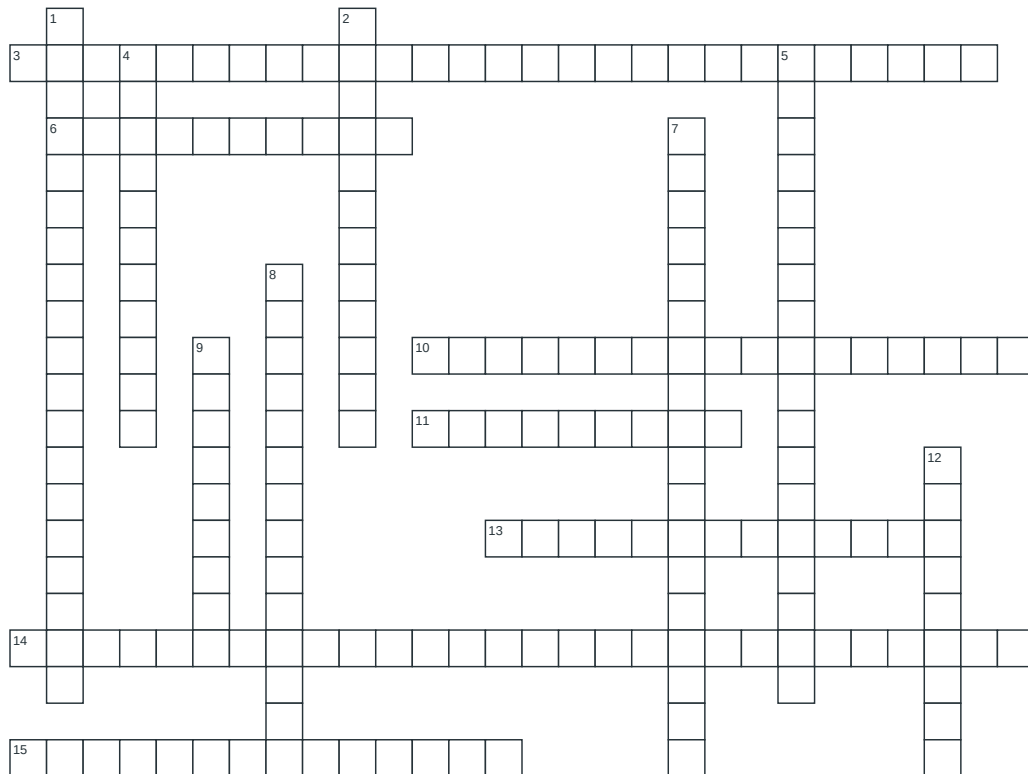
Static Electricity Crossword

Medium | 15 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

3. Change in stored energy per unit charge between two locations.
6. Relationship describing electric force as dependent on charge and separation.
10. Stored energy per unit charge at a location in an electric field.
11. Connection that lets charge move between an object and Earth.
13. The repulsive force decreases
14. Net charge is conserved in an isolated system
15. Net electric charge resulting when an object has fewer electrons than protons.

DOWN

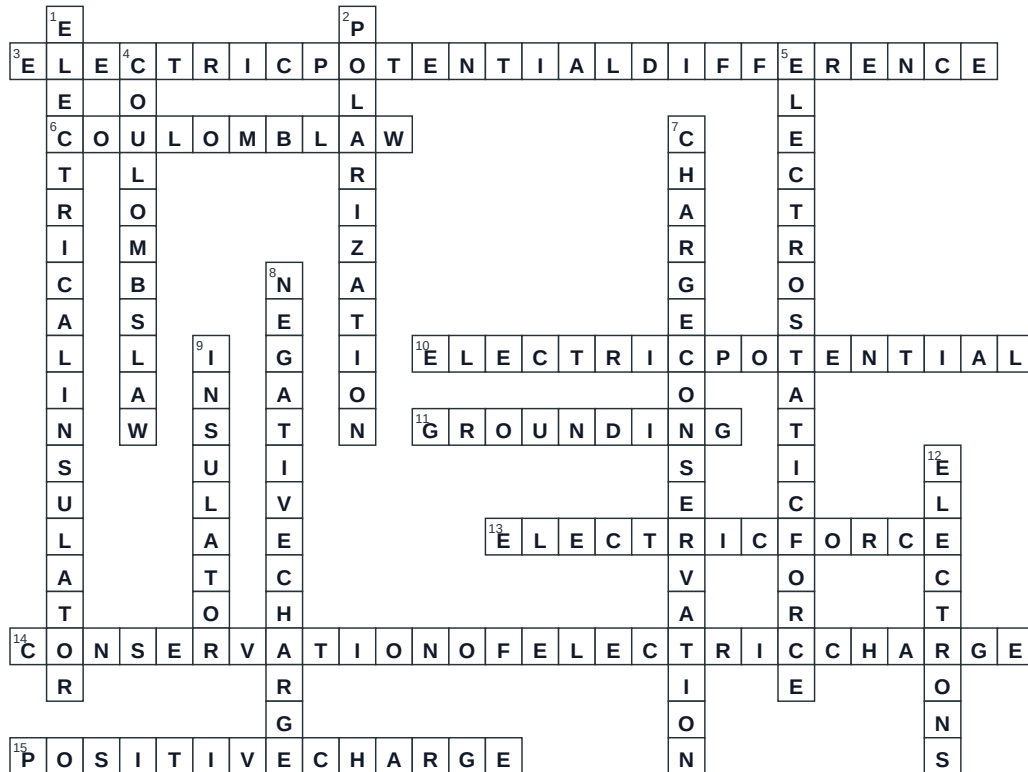
1. A material in which charge does not move freely through the bulk
2. Redistribution of charge within an object without necessarily changing its net charge.
4. Becomes one-fourth as large
5. Attractive or repulsive force between electric charges.
7. Principle that total electric charge in an isolated system remains constant.
8. Net electric charge resulting when an object has more electrons than protons.
9. Material in which electric charge does not move freely through the bulk.
12. Particles usually move between objects during static charging

Static Electricity Crossword

Medium | 15 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

3. Electric potential difference
6. Coulomb law
10. Electric potential
11. Grounding
13. Electric Force
14. Conservation Of Electric Charge
15. Positive charge

DOWN

1. Electrical Insulator
2. Polarization
4. Coulomb's Law
5. Electrostatic force
7. Charge conservation
8. Negative charge
9. Insulator
12. Electrons

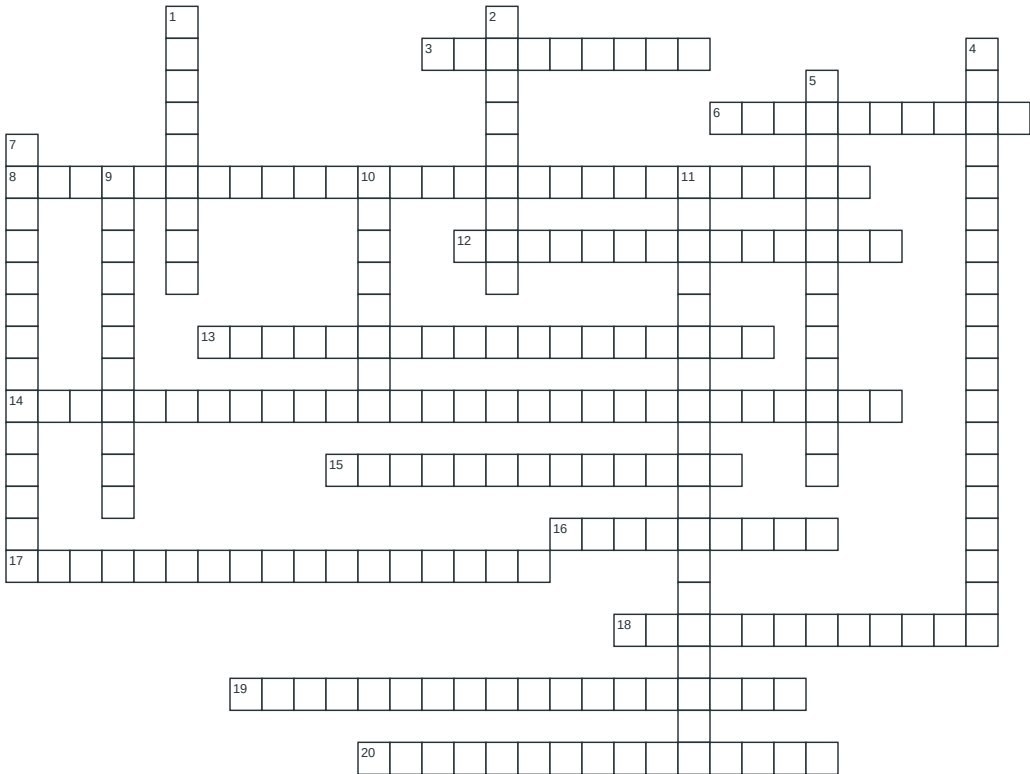
Static Electricity Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

- 3. Material in which electric charges can move relatively freely.
- 6. Relationship describing electric force as dependent on charge and separation.
- 8. Change in stored energy per unit charge between two locations.
- 12. Net electric charge resulting when an object has fewer electrons than protons.
- 13. Attractive or repulsive force between electric charges.
- 14. Net charge is conserved in an isolated system
- 15. Region in which a charged object experiences electric force.
- 16. Connection that lets charge move between an object and Earth.
- 17. Stored energy per unit charge at a location in an electric field.
- 18. Redistribution of charge within an object without necessarily changing its net charge.

ACROSS (continued)

- 19. Principle that total electric charge in an isolated system remains constant.
- 20. Transfer of electric charge through direct contact.

DOWN

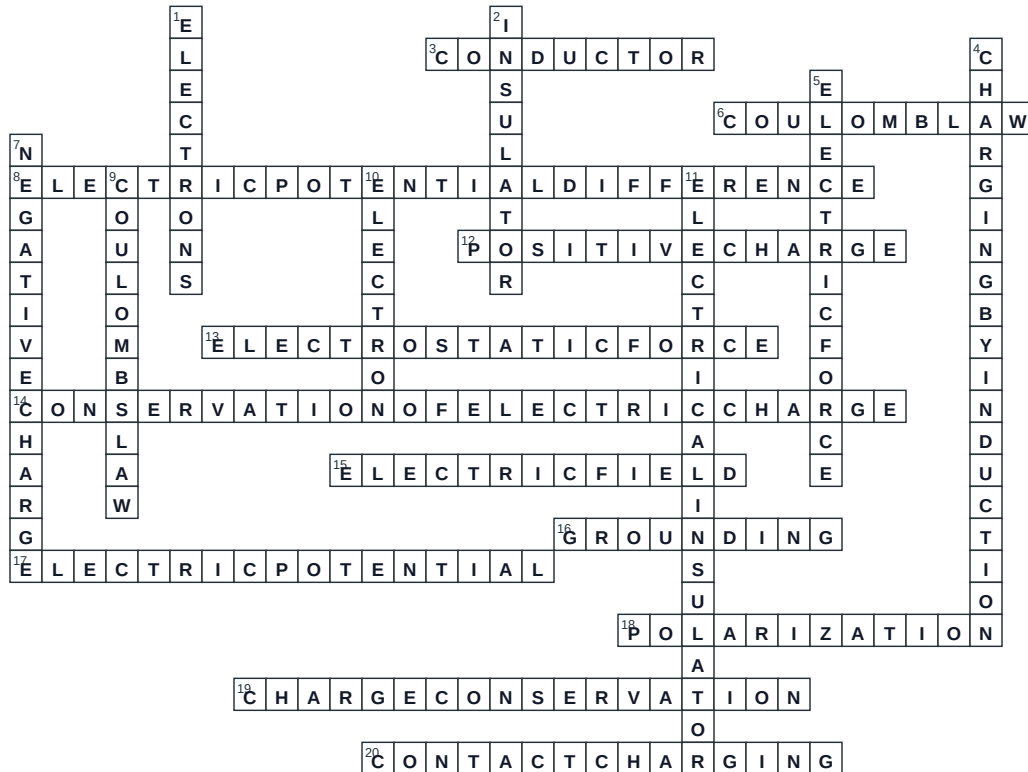
- 1. Particles usually move between objects during static charging
- 2. Material in which electric charge does not move freely through the bulk.
- 4. Charge redistribution caused by a nearby charged object without direct contact.
- 5. The repulsive force decreases
- 7. Net electric charge resulting when an object has more electrons than protons.
- 9. Becomes one-fourth as large
- 10. Negatively charged subatomic particle.
- 11. A material in which charge does not move freely through the bulk

Static Electricity 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. Conductor
6. Coulomb law
8. Electric potential difference
12. Positive charge
13. Electrostatic force
14. Conservation Of Electric Charge
15. Electric field
16. Grounding
17. Electric potential
18. Polarization
19. Charge conservation

ACROSS (continued)

20. Contact charging

DOWN

1. Electrons
2. Insulator
4. Charging by induction
5. Electric Force
7. Negative charge
9. Coulomb's Law
10. Electron
11. Electrical Insulator