

Electric Power and Safety Crossword

Easy | 10 clues | Student Worksheet

Name: _____

Date: _____

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

[illegible]

ACROSS

1. Safety connection that provides a low-resistance path for fault current.
3. Amount of electrical energy used over a period of operation.
5. Safety device that detects an imbalance between outgoing and returning current.
6. Unit that measures electrical power
7. Condition in which connected devices demand more current than a circuit rating.

ACROSS (continued)

8. Unit of energy equal to one kilowatt used for one hour.
9. The rate of electrical energy transfer
10. Condition that can cause electric shock, burns, or fire.

DOWN

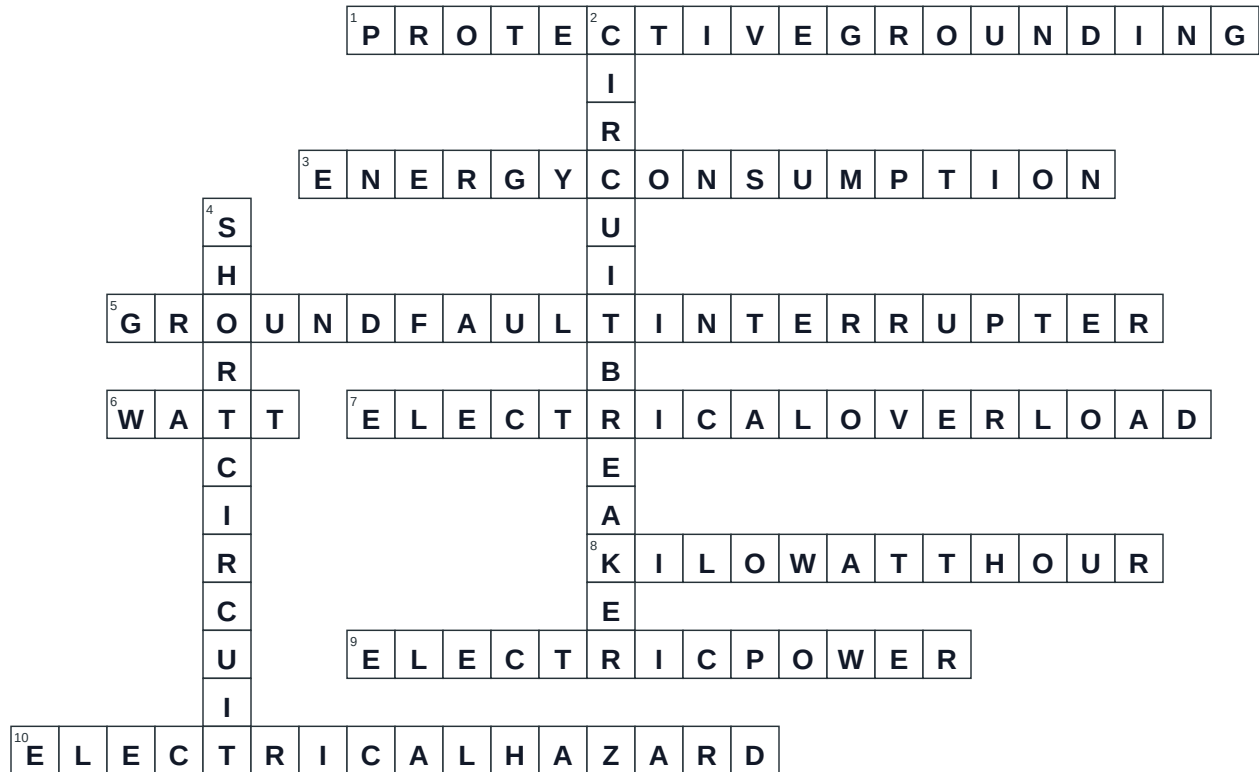
2. Protective switch that opens a circuit when current exceeds a safe level.
4. An unintended low-resistance path for current

Electric Power and Safety 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. Protective grounding
3. Energy consumption
5. Ground-fault interrupter
6. Watt
7. Electrical overload
8. Kilowatt-hour

ACROSS (continued)

9. Electric Power
10. Electrical hazard

DOWN

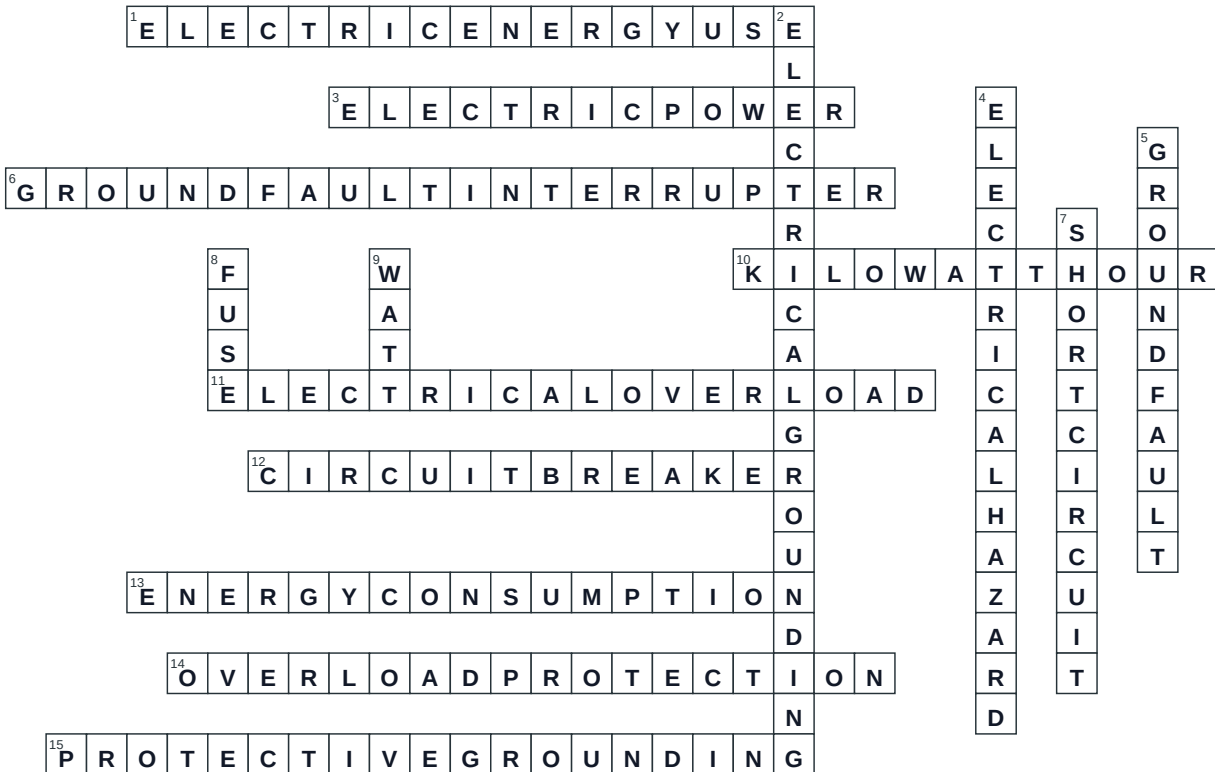
2. Circuit breaker
4. Short Circuit

Electric Power and Safety Crossword

Medium | 15 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

1. Electric energy use
3. Electric Power
6. Ground-fault interrupter
10. Kilowatt-hour
11. Electrical overload
12. Circuit breaker
13. Energy consumption
14. Overload protection

ACROSS (continued)

15. Protective grounding

DOWN

2. Electrical grounding
4. Electrical hazard
5. Ground fault
7. Short Circuit
8. Fuse
9. Watt

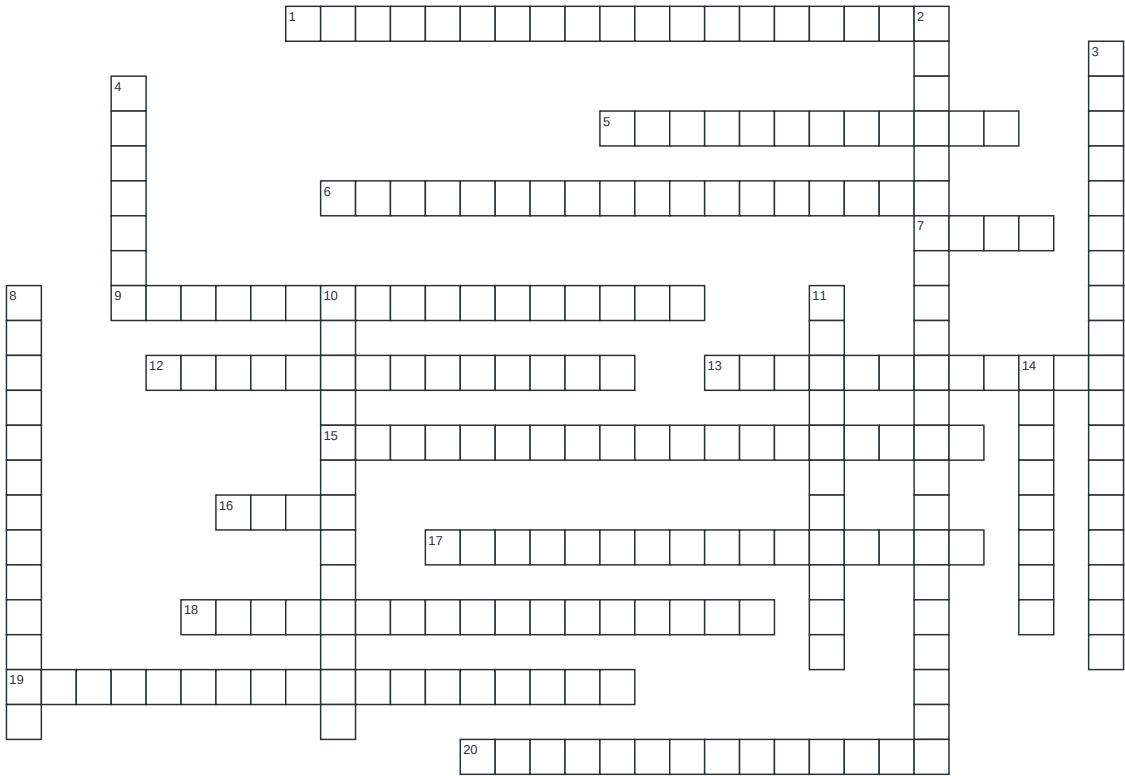
Electric Power and Safety Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

1. Safety connection that provides a low-resistance path for fault current.
5. An unintended low-resistance path for current
6. Condition in which connected devices demand more current than a circuit rating.
7. Protective device that melts and opens a circuit when current is excessive.
9. Amount of electrical energy used over a period of operation.
12. Fire that can result from overheating, arcing, or faulty wiring.
13. Unit of energy equal to one kilowatt used for one hour.
15. Connection to Earth designed to reduce shock risk.
16. Unit that measures electrical power
17. Condition that can cause electric shock, burns, or fire.
18. Amount of electrical energy consumed during operation.

ACROSS (continued)

19. Amount of energy transferred per unit time.
20. Protective switch that opens a circuit when current exceeds a safe level.

DOWN

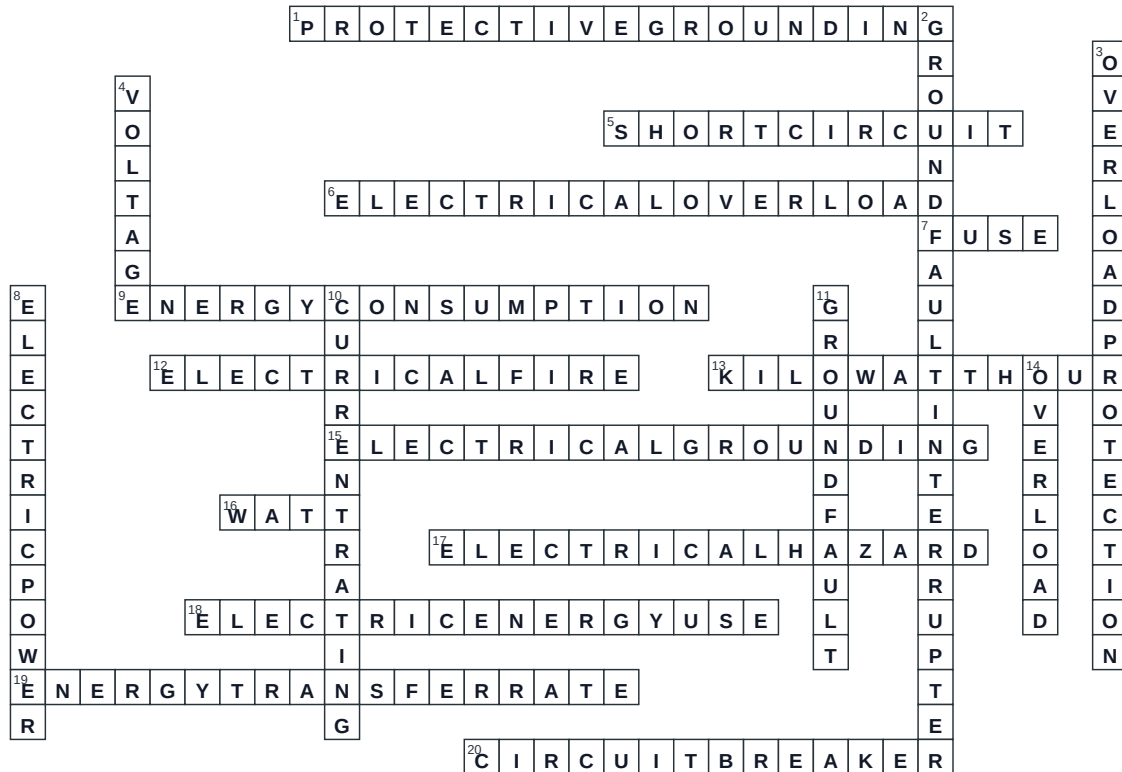
2. Safety device that detects an imbalance between outgoing and returning current.
3. Fuse or breaker action that interrupts excessive current.
4. Electric potential difference between two points
8. The rate of electrical energy transfer
10. Maximum current a wire or device is designed to carry.
11. Unintended electrical connection between a circuit and ground.
14. Condition in which current exceeds a circuit or cord rating.

Electric Power and Safety 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. Protective grounding
5. Short Circuit
6. Electrical overload
7. Fuse
9. Energy consumption
12. Electrical fire
13. Kilowatt-hour
15. Electrical grounding
16. Watt
17. Electrical hazard
18. Electric energy use

ACROSS (continued)

19. Energy transfer rate
20. Circuit breaker

DOWN

2. Ground-fault interrupter
3. Overload protection
4. Voltage
8. Electric Power
10. Current rating
11. Ground fault
14. Overload