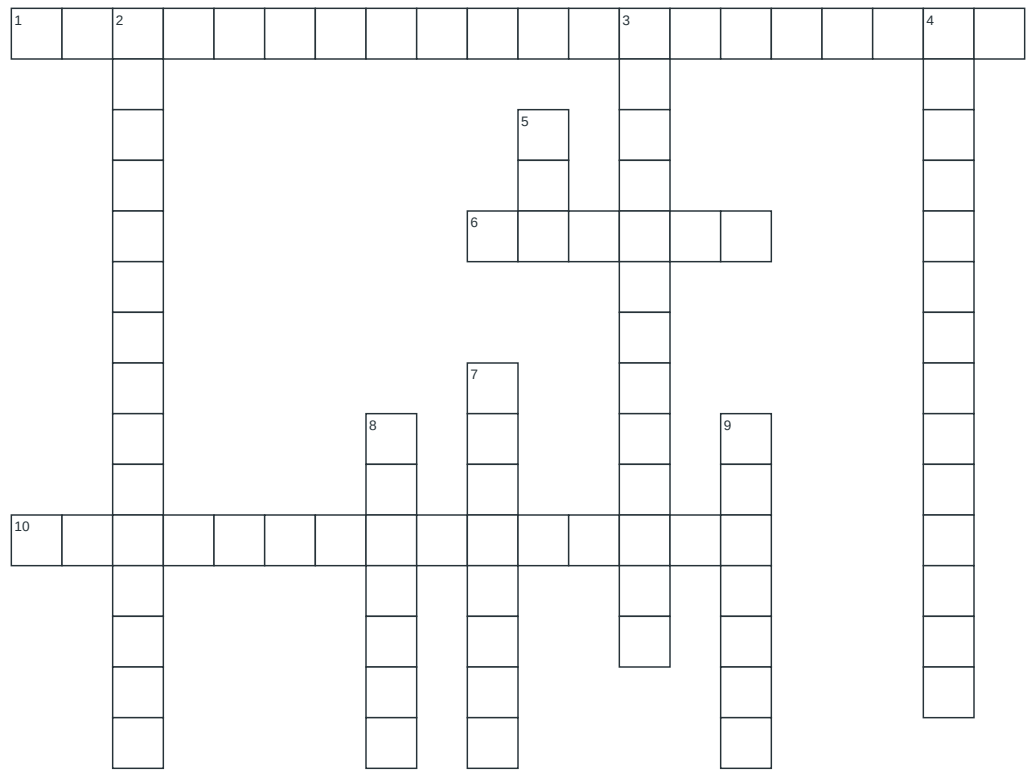


Electric Circuits Crossword

Easy | 10 clues | Student Worksheet

Name: _____ Date: _____

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



ACROSS

- 1. Property that opposes electric current in a material or component
- 6. Unit that measures current
- 10. A circuit containing more than one branch for current

DOWN

- 2. The rate of electric charge flow
- 3. A circuit with one path through its components

DOWN (continued)

- 4. Material path that allows charge to flow through a circuit.
- 5. Unit that measures resistance
- 7. Circuit component designed to provide electrical resistance.
- 8. Electric potential difference between two points
- 9. Source that maintains a potential difference using chemical reactions.

Electric Circuits Crossword

Easy | 10 clues | Teacher Answer Key

TEACHER ANSWER KEY

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

¹ E	L	² E	C	T	R	I	C	A	L	R	E	³ S	I	S	T	A	N	⁴ C	E
		L										E						O	
		E										R						N	
		C										I						D	
		T								⁶ A	M	P	E	R	E			U	
		R										S						C	
		I										C						T	
		C									⁷ R	I						I	
		C									E	R					⁹ B	N	
		U								⁸ V	S	C					A	G	
										O								W	
¹⁰ P	A	R	A	L	L	E	L	C	I	R	C	U	I	T					
		R					T		S			I		T					
		E					A		T			T		E				R	
		N					G		O					R				E	
		T					E		R					Y					

ACROSS

1. Electrical Resistance
6. Ampere
10. Parallel Circuit

DOWN

2. Electric Current

DOWN (continued)

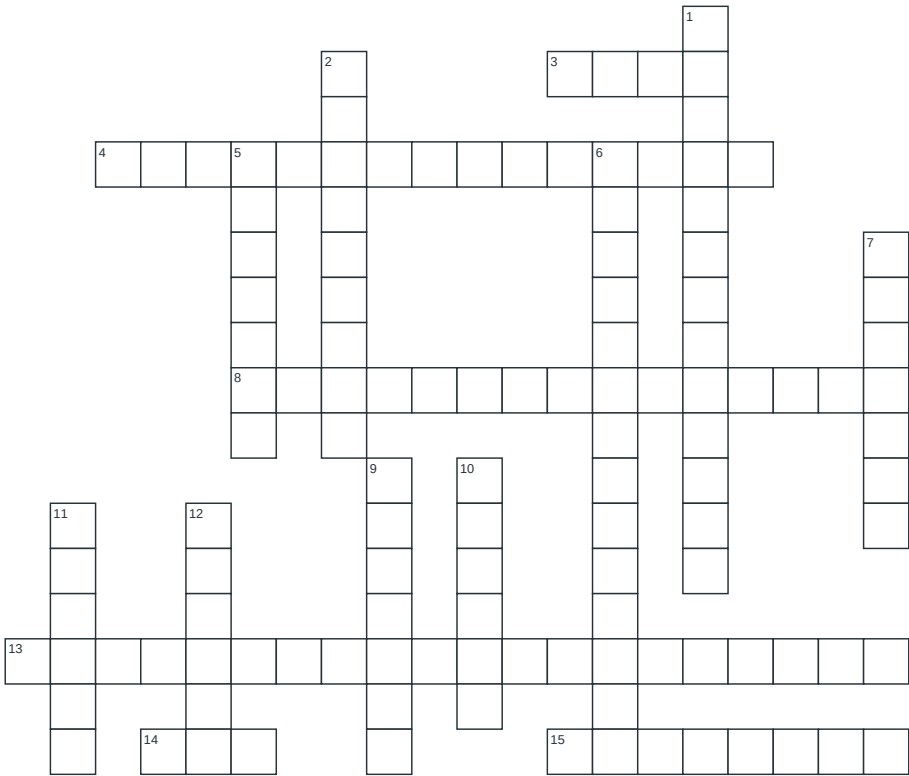
3. Series Circuit
4. Conducting wire
5. Ohm
7. Resistor
8. Voltage
9. Battery

Electric Circuits Crossword

Medium | 15 clues | Student Worksheet

Name: _____ Date: _____

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



ACROSS

- 3. Protective device that opens a circuit when current is too high.
- 4. A circuit containing more than one branch for current
- 8. The rate of electric charge flow
- 13. Property that opposes electric current in a material or component
- 14. Unit that measures resistance
- 15. Circuit component designed to provide electrical resistance.

DOWN

- 1. A circuit with one path through its components

DOWN (continued)

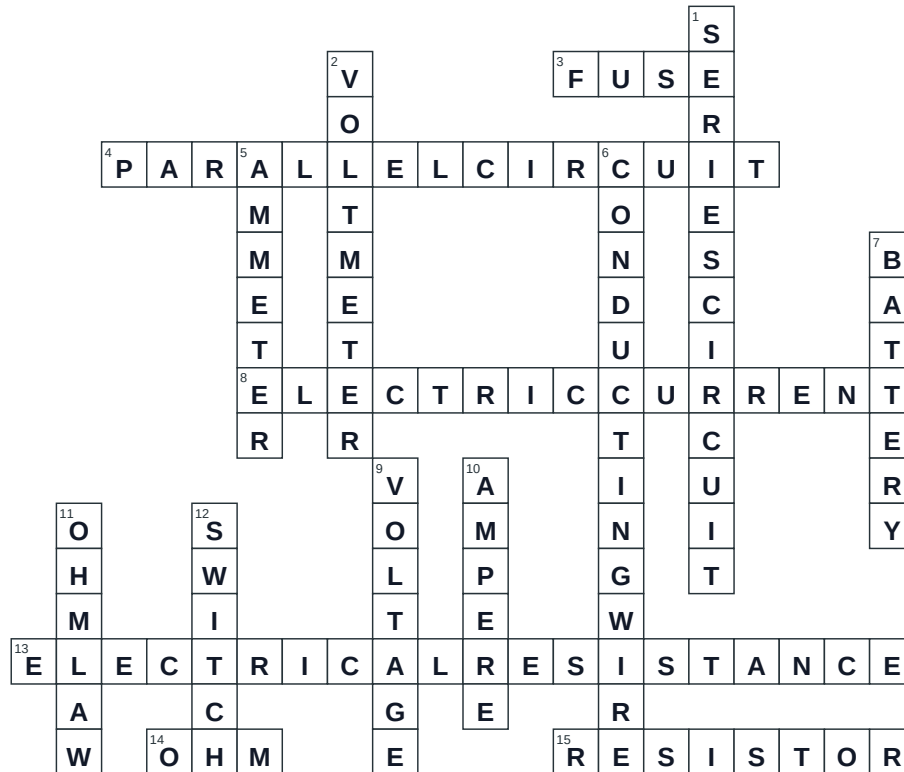
- 2. Instrument connected in parallel to measure potential difference.
- 5. Instrument connected in series to measure current.
- 6. Material path that allows charge to flow through a circuit.
- 7. Source that maintains a potential difference using chemical reactions.
- 9. Electric potential difference between two points
- 10. Unit that measures current
- 11. Relationship among voltage, current, and resistance for an ohmic component.
- 12. Component that opens or closes a circuit path.

Electric Circuits 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. Fuse
- 4. Parallel Circuit
- 8. Electric Current
- 13. Electrical Resistance
- 14. Ohm
- 15. Resistor

DOWN

- 1. Series Circuit

DOWN (continued)

- 2. Voltmeter
- 5. Ammeter
- 6. Conducting wire
- 7. Battery
- 9. Voltage
- 10. Ampere
- 11. Ohm law
- 12. Switch

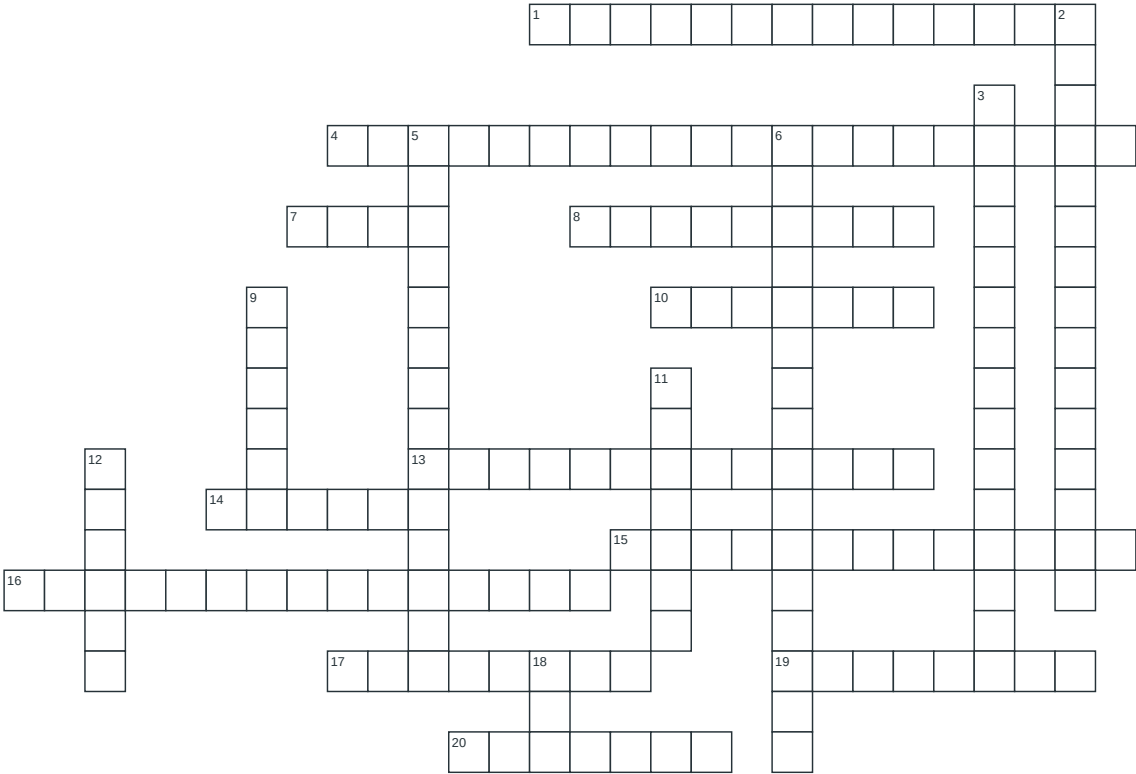
Electric Circuits Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

1. Material path that allows charge to flow through a circuit.
4. Property that opposes electric current in a material or component
7. Protective device that opens a circuit when current is too high.
8. Instrument connected in parallel to measure potential difference.
10. Electric potential difference between two points
13. One of multiple paths through a parallel circuit.
14. Component that opens or closes a circuit path.
15. A circuit with one path through its components
16. The rate of electric charge flow
17. Condition in which current exceeds a circuit or cord rating.

ACROSS (continued)

19. Circuit component designed to provide electrical resistance.
20. Instrument connected in series to measure current.

DOWN

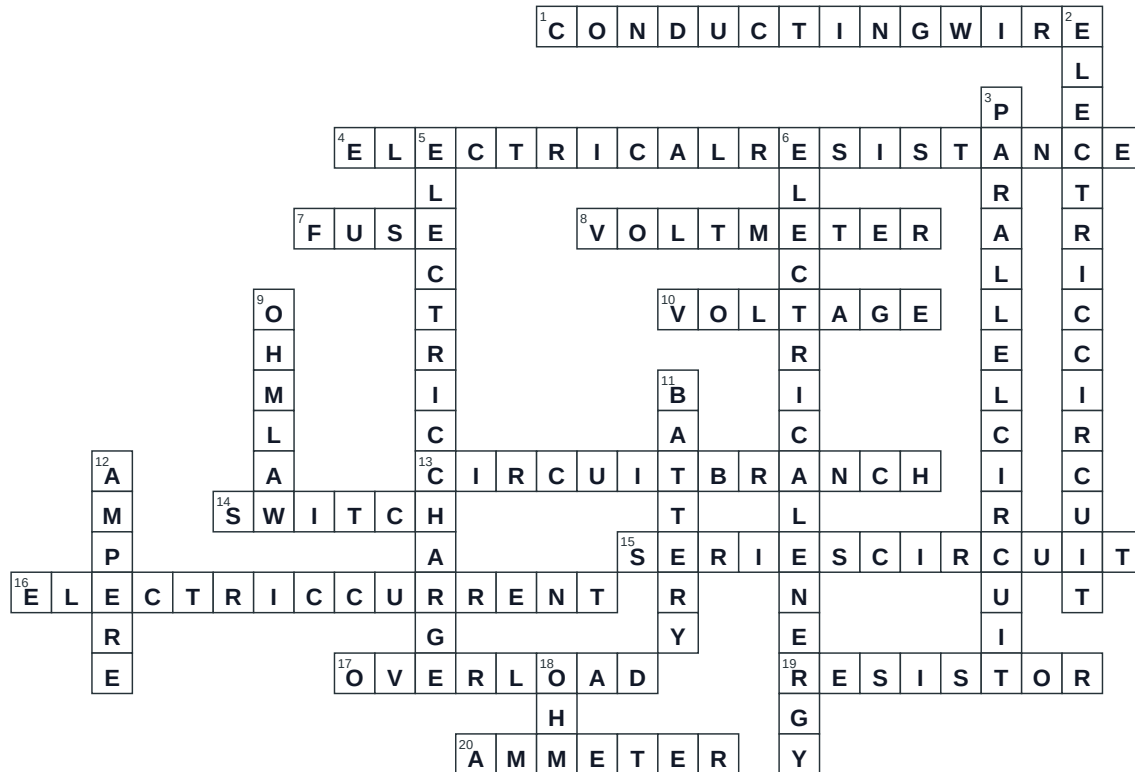
2. Connected path through which electric charge can flow.
3. A circuit containing more than one branch for current
5. Physical property that causes electric interactions.
6. Energy transferred by electric charges in a circuit.
9. Relationship among voltage, current, and resistance for an ohmic component.
11. Source that maintains a potential difference using chemical reactions.
12. Unit that measures current
18. Unit that measures resistance

Electric Circuits 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. Conducting wire
4. Electrical Resistance
7. Fuse
8. Voltmeter
10. Voltage
13. Circuit branch
14. Switch
15. Series Circuit
16. Electric Current
17. Overload
19. Resistor

ACROSS (continued)

20. Ammeter

DOWN

2. Electric circuit
3. Parallel Circuit
5. Electric charge
6. Electrical energy
9. Ohm law
11. Battery
12. Ampere
18. Ohm