

# Chapter 4

## Electrical Fundamentals

Find the words in the grid. Words can go across, down and in the two forward diagonals.

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X H K C M P C C Y K R E S I S T A N C E N Y M C S S N
M T G L X J N E L E C T R O C H E M I S T R Y R N G X
K C T H E R M O E L E C T R I C I T Y I X G O O M R P
F N N E F L T P R N T T T R R J N J C B L T R P E G O
N P B L O H M S E V V W L Z I J B I N P C T W T K T T
E H R E V R X V T L Q D L F Y O R C M U C T E L R H E
U O P C L N V R P Q E X T M H T N T D E N M M Z W E N
T T T T Q B T L L I F C T K C V W N L G M C L Y T R T
R O J R V A M P E R E T T E G V O E M A D R P R K M I
A E W I E K N Z B T A Z L R N C E L N P L X O X R O O
L L N C L K T F O W R E O L O E R C T C V T V K C C M
C E H A E P Z N U V L T N E R M Q T O M C M W N V O E
H C N L C E D F N F N Y K F L C O P H U E L X N N U T
A T Q P T L N F D V G Q C R N E H T D P L T Z J H P E
R R G O R T T T E Q A N C B H C C N I R P O E K C L R
G I M T O I C T L C H L R M T E O T E V K T M R N E B
E C C E N E H T E L G N E P R C O T R N E Q G B P M K
V I F N T R C N C Y D J Q N I N E S R I M F K L T W T
M T Y T H E Q Y T L T M H M C M P B T T C Y O Q H R R
G Y L I E F M R R Z F N E B M E Z G L A M I F R R X L
L Q V A O F Q P O M V S L H C H R O H M T W T N C V L
W M N L R E P T N H T T O C P H V I W T L W K Y M E Y
L D L B Y C X C S C O N V E N T I O N A L T H E O R Y
H V L B Z T Z N K T N N F A B G L B W G Q M R M R X Y
J J T K S T A T I C E L E C T R I C I T Y R W Z T T T
Q I N S U L A T O R S Y Q C H O T V N K N R Q M L N Q
R K K G X W V R M Z T M N M W L M R L P C L J N L N H
  
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Ammeter	Electrochemistry	Peltier effect	Thermocouple
Ampere	Electromotive force	Photoelectricity	Thermoelectricity
Atom	Electron theory	Piezoelectricity	Valence ring
Bound electrons	Free electrons	Potentiometer	Volt
Conductors	Insulators	PTC	Voltmeter
Conventional theory	Ion	Resistance	Watt
Coulomb	Neutral charge	Rheostat	
Electrical potential	Ohmmeter	Semiconductor	
Electricity	Ohms	Static electricity	