

Chapter 3

Electrical Fundamentals

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

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R M T E N C M N T R A M P E R E N M J W N K L W T
L G M L T V O N V X C T H E R M O C O U P L E P H
E Y B E P M O U M N I N S U L A T O R S M R P Y E
L V O C M T G L L I H P N D R G T G L X Y R H F R
E M U T E L C P T O O K E Z G R Y L G T B E O K M
C H N R W L T F F M M N B L G N T L I R T S T L O
T M D I A T E T D N E B N L T D F C E M X I O N E
R D E C T Z H C N G K T P Q N I I T N W T S E N L
O R L A T L N L T W T R E N L R E G J S V T L M E
M Y E L L G N Y G R E C T R T M S R N Q Y A E G C
O N C P N P L L M T O A G C O R L O E B P N C F T
T E T O C P T D E G T N E I O L R Y T F Y C T V R
I U R T N C Z M R S I L T T M T M V L H F E R K I
V T O E Q C M X O R E N C H C D H M O R F E I N C
E R N N L H J E E J E U B E E Z M L C L R C C C I
F A S T O V H C T T D T L N T O M V B C T L I T T
O L X I T R N G O N F E M D L N R B Z Y K M T L Y
R C R A N E X P O C E K F H J J W Y R J Q M Y N X
C H K L L K R C R E L E C T R O C H E M I S T R Y
E A H A T Q K E R P I E Z O E L E C T R I C I T Y
M R V L N T T F K S E M I C O N D U C T O R G L R
T G P K J E Y X C B C J R Z B M A F M Y T M K Y P
X E B V M C O N V E N T I O N A L T H E O R Y Q L
T R R M D H D V M L O H M S T B W W O Z Y G Y R G
S T A T I C E L E C T R I C I T Y H R M R Y K N F
  
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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 | |