

Chapter 3 Electrical Fundamentals

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

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

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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 | |