

Chapter 41

Series, Parallel, And Series-Parallel Circuits

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

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

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Blower motor

Kirchhoffs voltage law

Branches

Leg

Combination circuit

Parallel circuit

Compound circuit

Series circuit

Dash lights

Series parallel circuit

Electrical load

Shunt

Kirchhoffs current law

Voltage drop