

# Chapter 3 Series, Parallel, And Series-Parallel Circuits

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

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

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|------------------------|--------------------------|
| Blower motor           | Leg                      |
| Branches               | Parallel circuit         |
| Combination circuit    | Series circuit           |
| Compound circuit       | Series parallel circuit  |
| Dash lights            | Shunt                    |
| Electrical load        | Total circuit resistance |
| Kirchhoffs current law | Voltage drop             |
| Kirchhoffs voltage law |                          |