

# 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.

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

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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 |                          |