

## Chapter 5

### Series, Parallel, And Series-Parallel Circuits

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

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

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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 |                          |