

# Chapter 24 Oxygen Sensors

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

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

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|------------------------|----------------|---------------------|
| Air fuel ratio sensor  | Finger design  | Reference electrode |
| Ambient side electrode | Fuel trim      | RTV                 |
| Bias voltage           | Light off time | Signal electrode    |
| Closed loop            | Nernst cell    | Single cell         |
| Cup design             | Open loop      | Thimble design      |
| Dual cell              | Oxygen sensors | Titania             |
| Exhaust side electrode | Planar         | Wide band           |
| False lean             | Pump cell      | Zirconia            |
| False rich             | Reference      |                     |