

# Chapter 13 Scientific Principles And Materials

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

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

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|------------------|-------------------|------------------------|--------------------|
| Acid material    | Dynamometer       | Kinetic energy         | Radiation          |
| Alkaline         | Energy            | Leverage               | Root cause         |
| Brake            | Fahrenheit        | Mass                   | Scientific method  |
| Brake horsepower | First class lever | Mechanical advantage   | Second class lever |
| BTU              | Force             | Newtons laws of motion | Third class lever  |
| Caustic material | Fulcrum           | pedal ratio            | Torque             |
| Celsius          | Horsepower        | pH                     | Weight             |
| Conduction       | Hypothesis        | Potential energy       | Work               |
| Conductor        | Inertia           | Power                  | Wrought alloys     |
| Convection       | Insulator         | Propagation            |                    |