

# **CAN YOU HELP ROBERT GODDARD?**

IN CELEBRATION OF GODDARD DAY 1997

Created by Kerry Bartlett, Matt Benoit, Deanna Charbonneau, Sara Jordan, Sean Murphy,  
Chris Richards, Dave Roy, Matt Rozanski, Kristen Snow, and Dave Tran

**Find these words written vertically, horizontally or diagonally in the puzzle.**

ALTITUDE - height

ATMOSPHERE - air surrounding the Earth

AUBURN - location of Pakachoag Hill

EFFIE WARD - Goddard's aunt who owned a strawberry farm on Pakachoag Hill

ESTHER KISK - Robert Goddard's wife, laboratory assistant, launch photographer,  
bookkeeper and partner

FUEL - a material used to produce heat, light or power

GYROSCOPE - a wheel that spins rapidly within another spinning wheel like a top to stabilize  
rockets

H. G. WELLS - science fiction author who predicted the future

JET PROPULSION - The force of gases or liquid coming out of the rear vent of a rocket that  
pushes the rocket forward.

JULES VERNE - science fiction author who predicted the future

LIQUID OXYGEN - fuel used to power rockets

NASA - National Aeronautics and Space Administration

PAKACHOAG HILL - the site of Robert Goddard's first successful liquid fueled rocket launch  
on March 16, 1926

PATENT - a legal license that protects new ideas and designs from being claimed by others

ROCKET - a tubelike object propelled into air by the force of burning gases

SPACE - the region beyond the Earth's atmosphere

STABILIZER - a device keeps a rocket on a steady course

TURBINE - an engine much like a sideways water wheel

VELOCITY - speed

WORCESTER - Robert Goddard's birthplace

**BONUS LIFT-OFF: Draw a picture that describes the meaning of one of these words.**

GODDARD DAY 1997

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

Created by Matt Benoit  
and Pete Beaulac