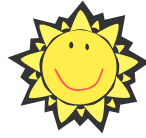


**REVEAL A SECRET MESSAGE ABOUT MARS!**

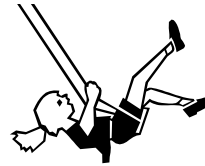
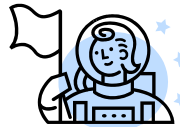
Use the key at the bottom of the page to fill in the blanks beneath each picture.



\_\_\_\_\_ is \_\_\_\_\_ because of rust - the iron oxide in the \_\_\_\_\_.



\_\_\_\_\_ shines on planet Mars. From \_\_\_\_\_ we see it bright as \_\_\_\_\_!



If you should visit \_\_\_\_\_ one day, you'll need a \_\_\_\_\_ to run and \_\_\_\_\_.



= EARTH



= MARS



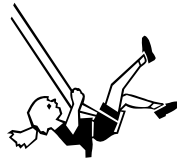
= RED



= SUIT



= DUST



= PLAY



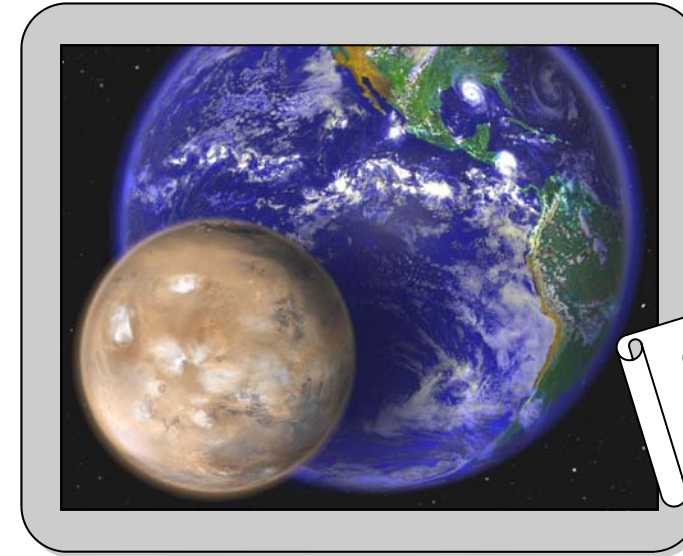
= SUNLIGHT



= STARS

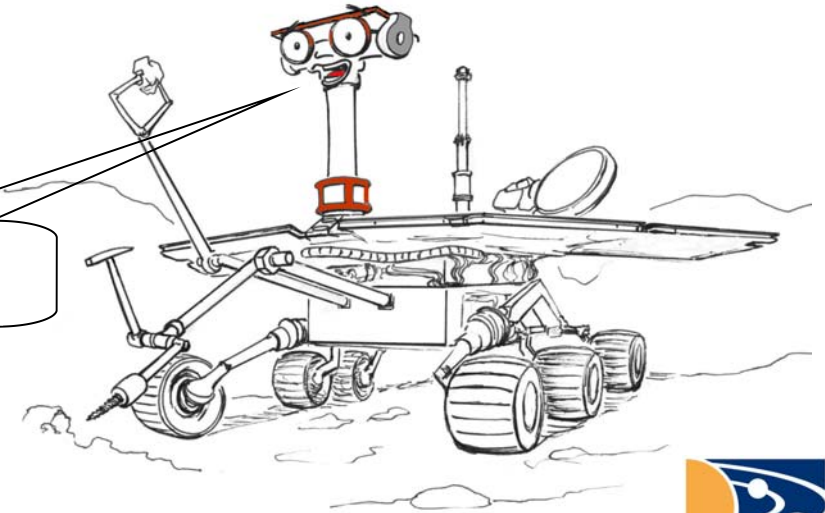
Selected activities from

# A FAMILY GUIDE TO MARS



**GEE WHIZ!!!**  
Mars has both the largest canyon and the largest volcano in the Solar System! Wow!

Mars rocks!



To download a complete, full-color field test version of the Family Guide to Mars, go to:  
[www.marsquestonline.org/resources/familyguide](http://www.marsquestonline.org/resources/familyguide)



www.spacescience.org

## TRUE FOR EARTH OR MARS OR BOTH?

Earth = E

Mars = M

Both = B

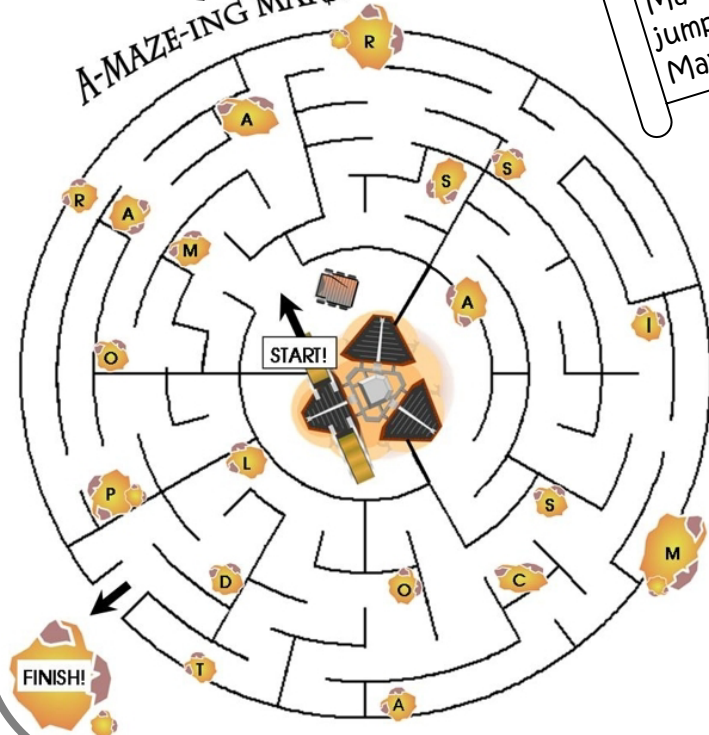
1. \_\_\_\_ Fourth planet from the Sun.
2. \_\_\_\_ Orbits the Sun.
3. \_\_\_\_ This planet has two small moons.
4. \_\_\_\_ People have been to this planet.
5. \_\_\_\_ Has mountains, valleys and volcanoes.
6. \_\_\_\_ This planet has a much thicker atmosphere.

ANSWERS  
answers

1.M 2.B 3.M 4.E 5.B 6.E



A-MAZE-ING MARS!



**GEE WHIZ!!!**  
Mars' gravity is weaker than Earth's. You could jump almost **THREE** times higher there! Imagine Martian basketball games!



### MARS MAZE:

Can you guide the rover through this maze of rocks? Along the correct path, you will pick up letters that spell an important fact to remember about Mars.

### MESSAGE

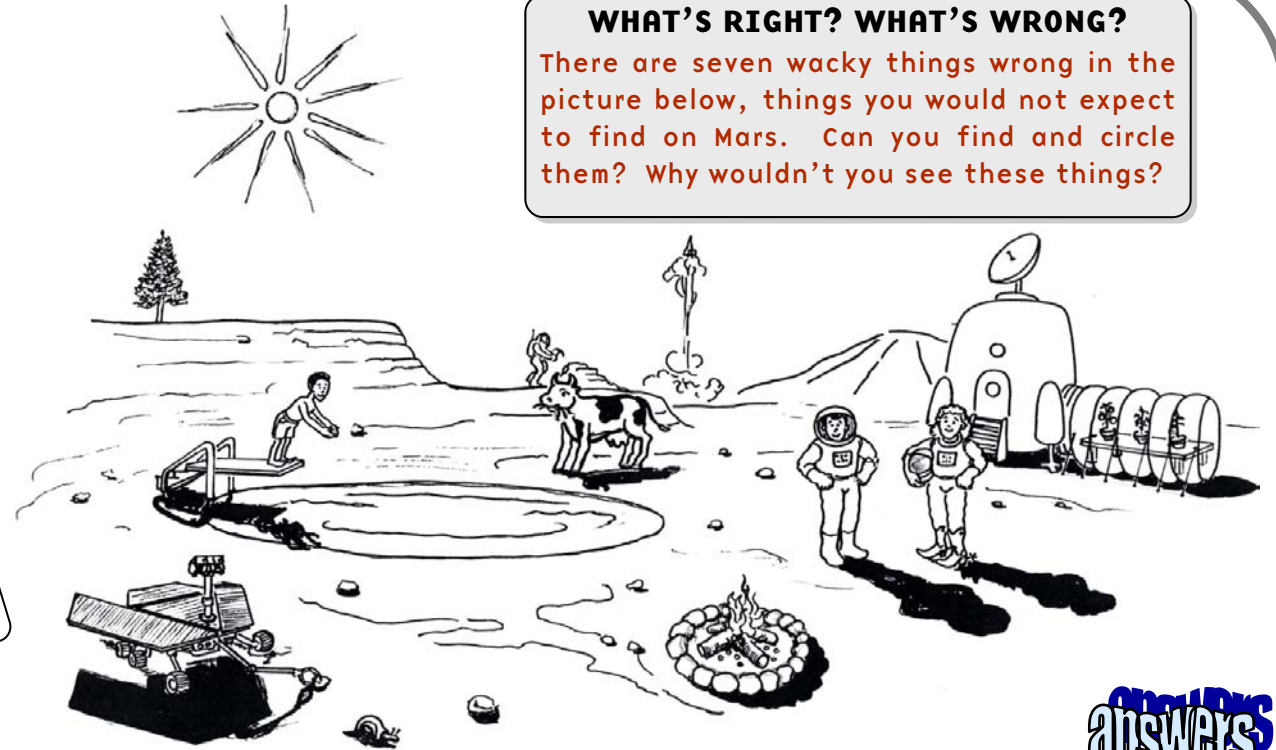
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## WHAT'S RIGHT? WHAT'S WRONG?

There are seven wacky things wrong in the picture below, things you would not expect to find on Mars. Can you find and circle them? Why wouldn't you see these things?



ANSWERS  
answers

There is not enough oxygen for fires to burn on Mars.  
Without her helmet and wearing cowboy boots, she is unprotected from the extreme cold and the thin, carbon dioxide air of Mars.  
Woman Astronaut -  
Diving Boy -  
Pool of Water -  
Liquid water would either freeze due to Mars' cold temperatures, or boil away due to its extremely thin atmosphere.  
Cows, like humans, need oxygen and protection from the Martian cold. A dairy cow on Mars is "udderly" ridiculous!  
Some goes for snails... no snail spacesuit means no air to breathe and no protection from the cold, thin atmosphere.  
Trees need carbon dioxide, which Mars air mostly is, but without liquid water, and with the freezing temperatures, trees cannot live.  
Campfire -

## Explore the Red Planet :

FLY in 3D, Launch a Spacecraft,  
Drive a Rover, and more!

WWW.MARSQUESTONLINE.ORG



for more information please contact harold@spacescience.org

MARSQUEST ONLINE

## Like these activities? Want more?

Check out the Family Guide to Mars and Marsquest OnLine!

The Family Guide to Mars includes additional puzzles, pictures, poetry, and projects, all designed to stimulate enjoyable co-learning experiences between kids aged 6-12 and the caring adults in their lives.

In addition, the Guide contains answers to Frequently Asked Questions and a collection of Gee Whiz Facts to support your understanding of and appreciation for Mars exploration.

Check it out online:

[www.marsquestonline.org/resources/familyguide](http://www.marsquestonline.org/resources/familyguide)

Send your comments to [camorrow@colorado.edu](mailto:camorrow@colorado.edu)