

REVEAL A SECRET MESSAGE ABOUT MARS!

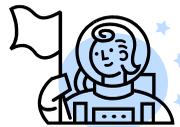
Use the key at the bottom of the page to fill in the blanks beneath each picture.



_____ 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

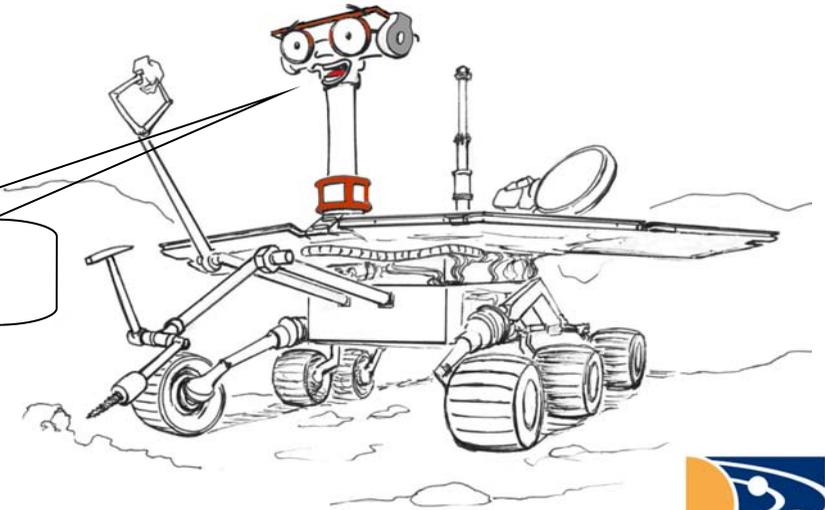
Selected activities from

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



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

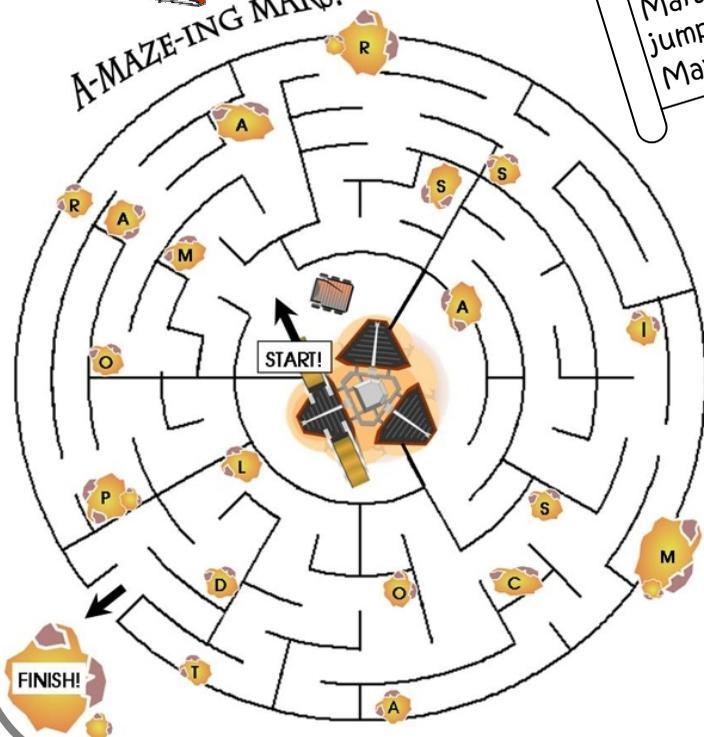
1.M 2.B 3.M 4.E 5.B 6.E

GEE WHIZ!!!

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



A-MAZE-ING MARS!



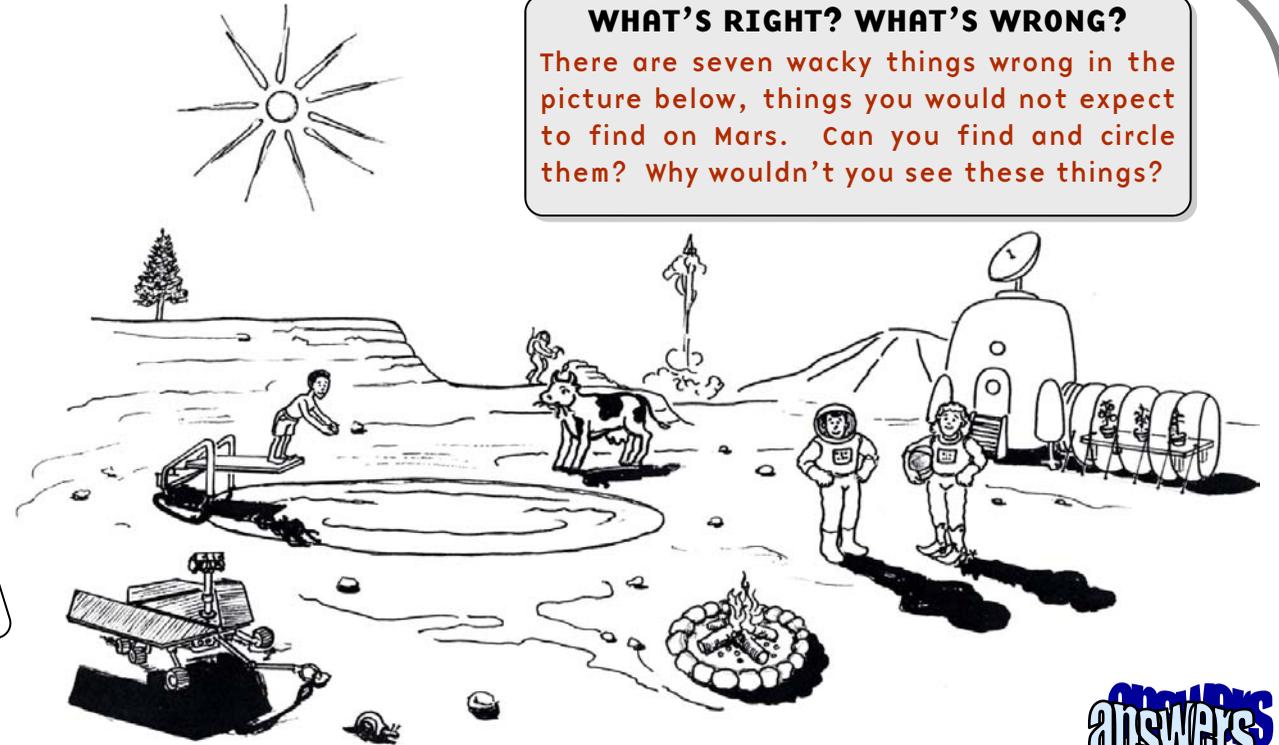
MARS MAZE:

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

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 -
He has no spacesuit to protect him from the cold, thin, carbon dioxide atmosphere.
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 -
Tree -
Snail -
Pool of Water -
Grazing Cow -
Diving Boy -
Woman Astronaut -

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

Send your comments to camorrow@colorado.edu