

Resources for Students and Educators of Grades K-12

Aerospace Education Services Program (AESP)
<http://www.okstate.edu/aesp/AESP.html>

NASA Explorer Schools
<http://www.nsta.org/explorerschools>

NASA Student Involvement Program (NSIP)
<http://www.nsip.net>

NASA Explores
<http://NASAexplores.com>

NASA Educator Resource Network
<http://education.nasa.gov/ercn>

NASA Fact Sheet Library
<http://spaceflight.nasa.gov/spaceneeds/factsheets/index.html>

International Space Station Sightings
<http://www.jsc.nasa.gov/iss sightings>

The NASA Home Page Address
<http://www.nasa.gov>

NASA's Education Home Page
<http://education.nasa.gov>

Johnson Space Center
<http://www.jsc.nasa.gov>

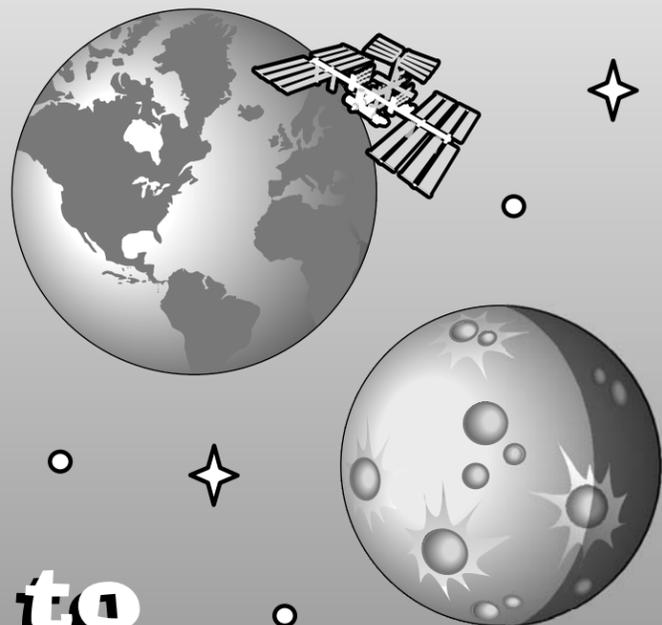
NASA Headquarters News/Mars
http://www.nasa.gov/vision/universe/solarsystem/mer_main.html

Space Station Sighting (Telescope Optional)
<http://www.hq.nasa.gov/osf/station/viewing/issvis.html>

Space Station Challenge
<http://voyager.cet.edu/iss>



Stepping Stones

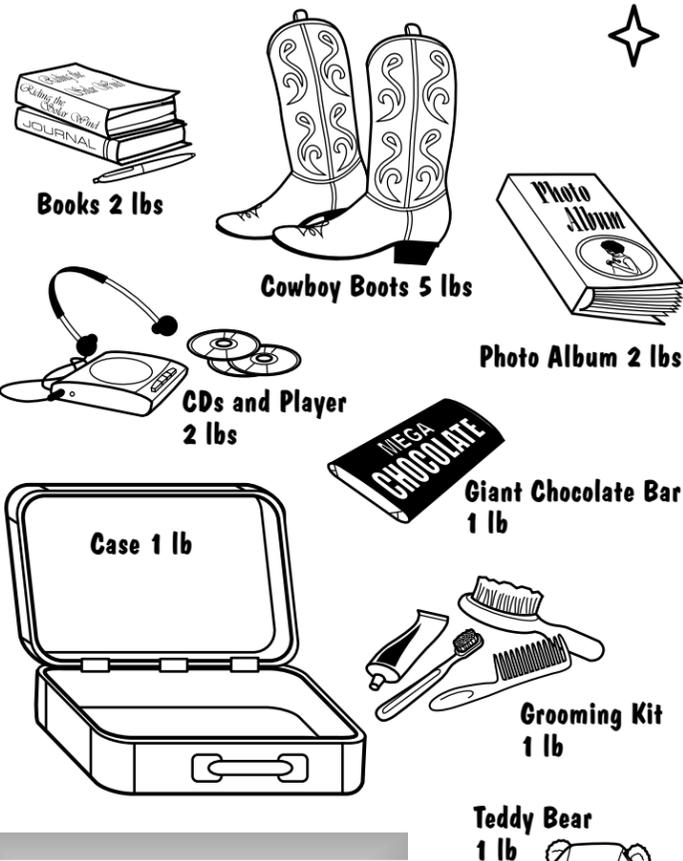


to MARS!



Astronaut Yuko is deciding what she can take to Mars. Weight is very important in space travel. Food, water and other supplies are needed for the long trip, and they all have weight. Yuko must find a way to pack her personal things in this small case. The case weighs 1 pound empty and must not weigh more than 10 pounds once filled.

Help Yuko choose what to take. Draw an arrow to the case from the object. Remember to add up the weight as you go along!



The NASA Vision:

- ✧ To improve life here
- ✧ To extend life to there
- ✧ To find life beyond

The NASA Mission:

- ✧ To understand and protect our home planet
 - ✧ To explore the Universe and search for life
 - ✧ To inspire the next generation of explorers
- ... as only NASA can

✧ NASA plans to send men and women to planets far away from Earth. Once the International Space Station is complete, NASA will return to the Moon and then continue on to Mars. To learn about the Vision for Space Exploration, visit http://www.nasa.gov/missions/solarsystem/explore_main.html

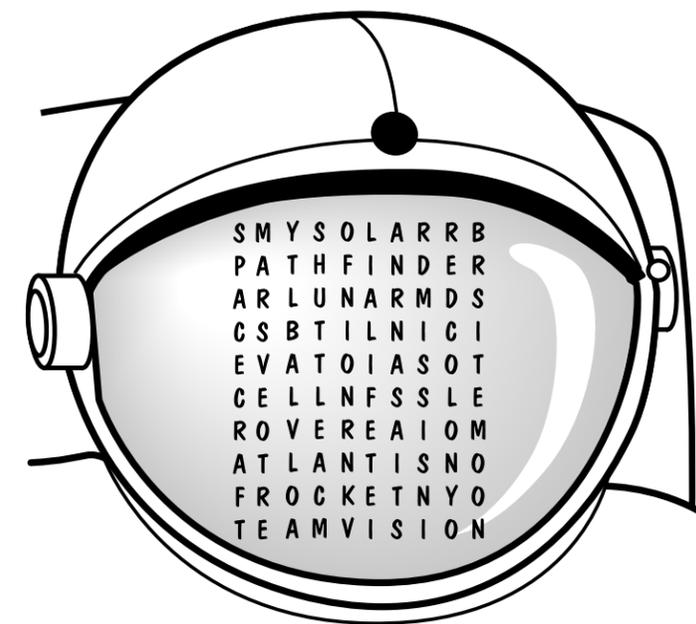
✧ NASA's Mars Exploration Mission helps scientists on Earth understand and prepare for more Rover missions to Mars. One day, humans will visit Mars and live there.

See actual images sent to Earth by Mars Rovers Spirit and Opportunity. Visit <http://marsrovers.jpl.nasa.gov/home>

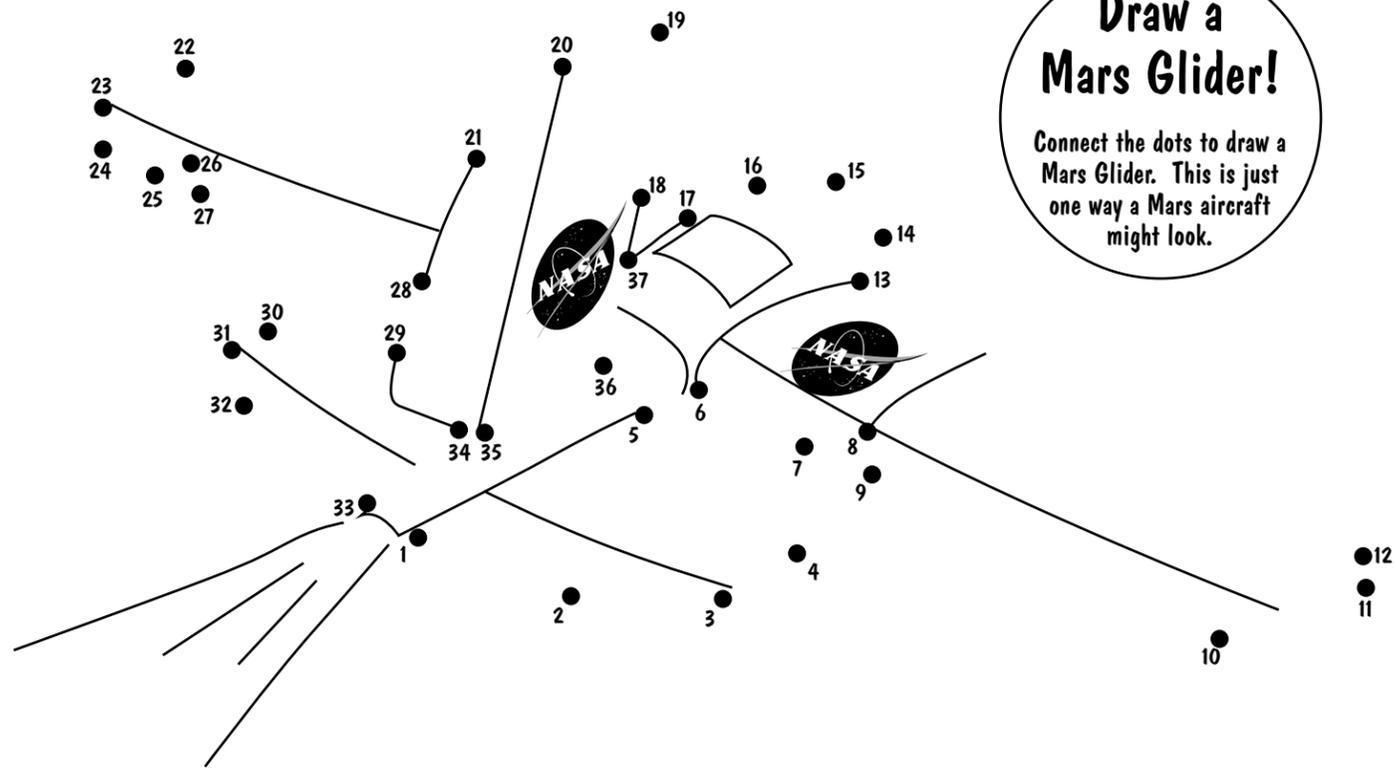
Space Terms Word Search*

EVA (Extra Vehicular Activity)
 ISS (International Space Station)

PATHFINDER	MOON	ROCKET
MARS	ATLANTIS	LIFE
LUNAR	SITE	MY
RED	VISION	SHUTTLE
TEAM	CELL	ROVER
SPACECRAFT	COLONY	ION
SOLAR	NASA	

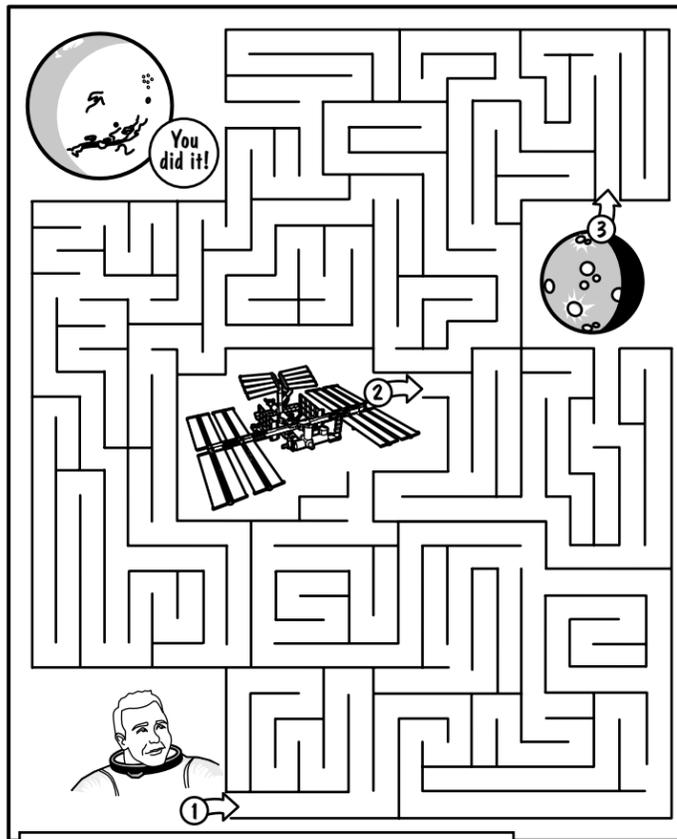


*Solution on back page.



Draw a Mars Glider!

Connect the dots to draw a Mars Glider. This is just one way a Mars aircraft might look.



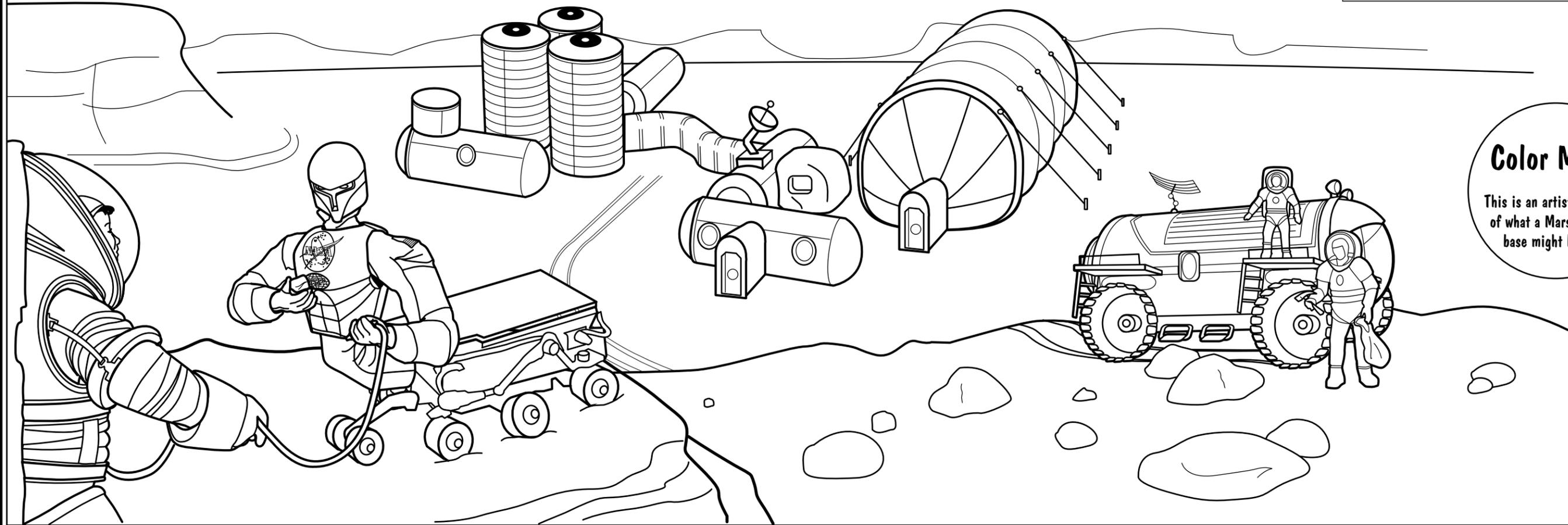
Mars is 78,300,000 kilometers from Earth. Help Don find his way to the International Space Station, then to the Moon and on to Mars.*

*Solution on right.

- ✦ Humans have been living aboard the International Space Station since 2000.
- ✦ While exploring outer space, NASA scientists and engineers have invented some really cool things including nearly invisible braces for teeth, compact discs, better sunglasses, new materials in athletic shoes, memory foam for sports helmets and mattresses, digital cell phone technology and Global Positioning Satellites (GPS). NASA will invent many more new things as space exploration continues.

N	O	I	S	I	O			
F	R	O	C	K	E	T	N	O
A	T	L	A	N	T	I	S	O
R	O	V	E	R	A	I	O	M
G	E	L	N	F	S	L	E	
E	V	A	T	I	O	A	S	O
C	S	B	T	I	N	I	C	I
A	R	L	U	N	A	R	M	S
P	A	T	H	I	N	D	E	R
S	M	S	O	L	A	R	B	

Solutions:



Color Mars!

This is an artist's concept of what a Mars research base might be like.

