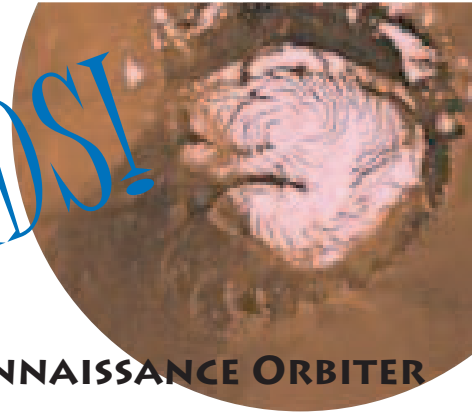




HiRISE

HIGH RESOLUTION
IMAGING SCIENCE
EXPERIMENT

FOR KIDS!



IMAGING MARS AT HIGH RESOLUTION ON MARS RECONNAISSANCE ORBITER

Five facts about HiRISE:

1. HiRISE is a camera on a spacecraft that is flying around Mars
2. HiRISE will take pictures of Mars that will let us see things on Mars that are as small as your desk. And it does it from almost 200 miles away! That is about 30 times higher than flying in an airplane!
3. HiRISE is about as big as you are! It is 4 1/2 feet long. Do you know of any other cameras that are that big?
4. The pictures that HiRISE takes will help us learn more about Mars and help us decide where the best place is to land the next rover on Mars.
5. You can help decide where to take a picture of Mars! Have your teacher or parent help, and go to the HiRISE website to make a suggestion!



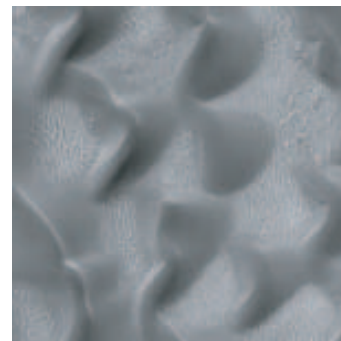
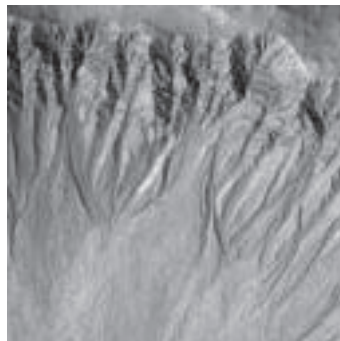
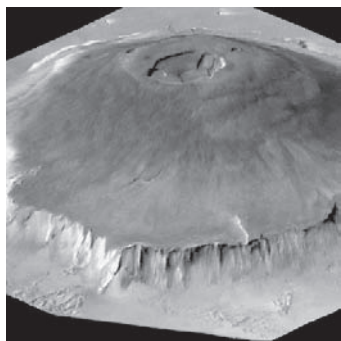
Websites to visit

To learn more about HiRISE:
<http://marsoweb.nas.nasa.gov/HiRISE/>
<http://hirise.lpl.arizona.edu>

For HiRISE games and educational materials: <http://hirise.seti.org/epo/>

What is this a picture of?

Draw a line to match the image to the name of the geologic feature on Mars
 The images are all taken from above, so they look like what you would see if you were flying in an airplane. The one on the far left shows what you would see if you saw it as you were landing.



Dunes:

Hills of sand made by the wind

Crater:

A hole in the ground made when a meteor hits

Volcano:

A mountain that erupts lava

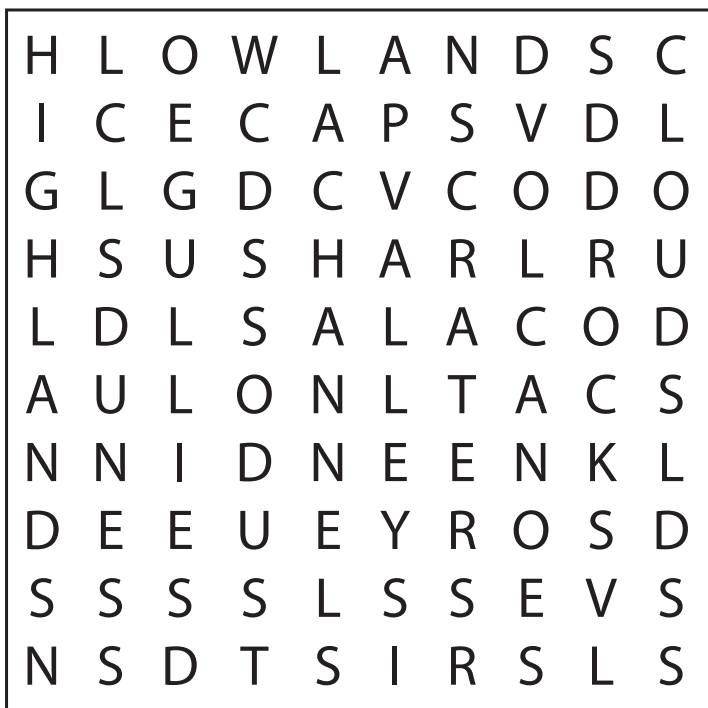
Gullies:

Small river channels

What's on Mars?

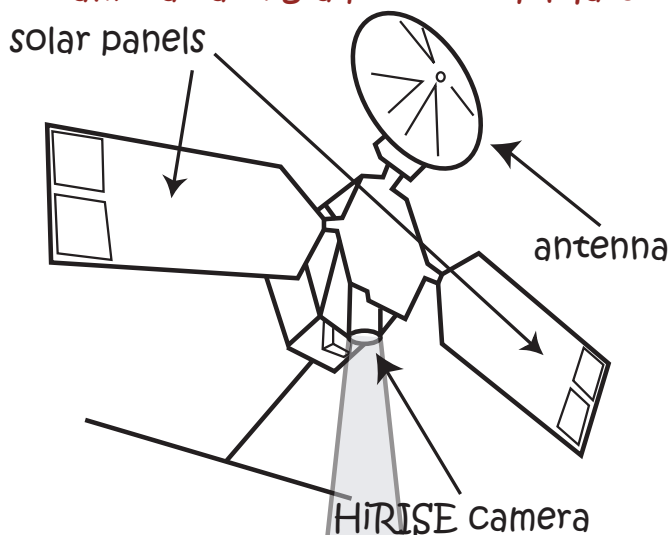
Find these words in the wordsearch below!

- | | |
|----------|-----------|
| CHANNELS | HIGHLANDS |
| CLOUDS | ICECAPS |
| CRATERS | LOWLANDS |
| DUNES | ROCKS |
| DUST | VALLEYS |
| GULLIES | VOLCANOES |



Color Me!

This is a drawing of MRO with the HiRISE camera taking a picture of Mars



Answer: from left to right, the pictures are of a volcano (Olympus Mons), a crater, gullies, and dunes