



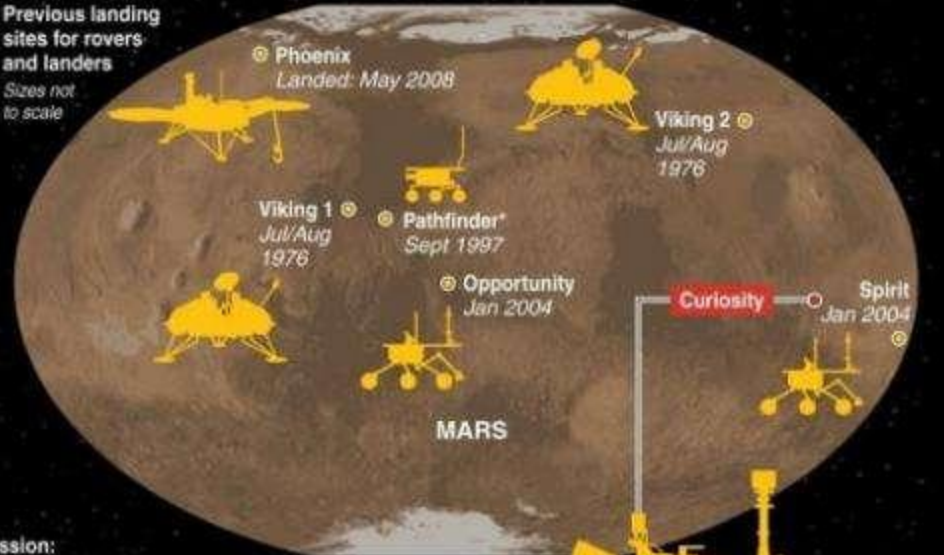
FEBRUARY 18, 2021

Mars landings

NASA's Mars Science Laboratory rover "Curiosity" aims to land on the Red Planet on August 6

Previous landing sites for rovers and landers

Sizes not to scale



Mission:

- Study Gale Crater (154 km diameter) for signs that life may once have existed
- Look for clues about past and present habitable environments

Launched: Nov. 26, 2011
Weight: 899 kg
Cost: \$2.5 billion

Designed to function for 2 years

*Deployed Sojourner rover
Source: NASA

01

02

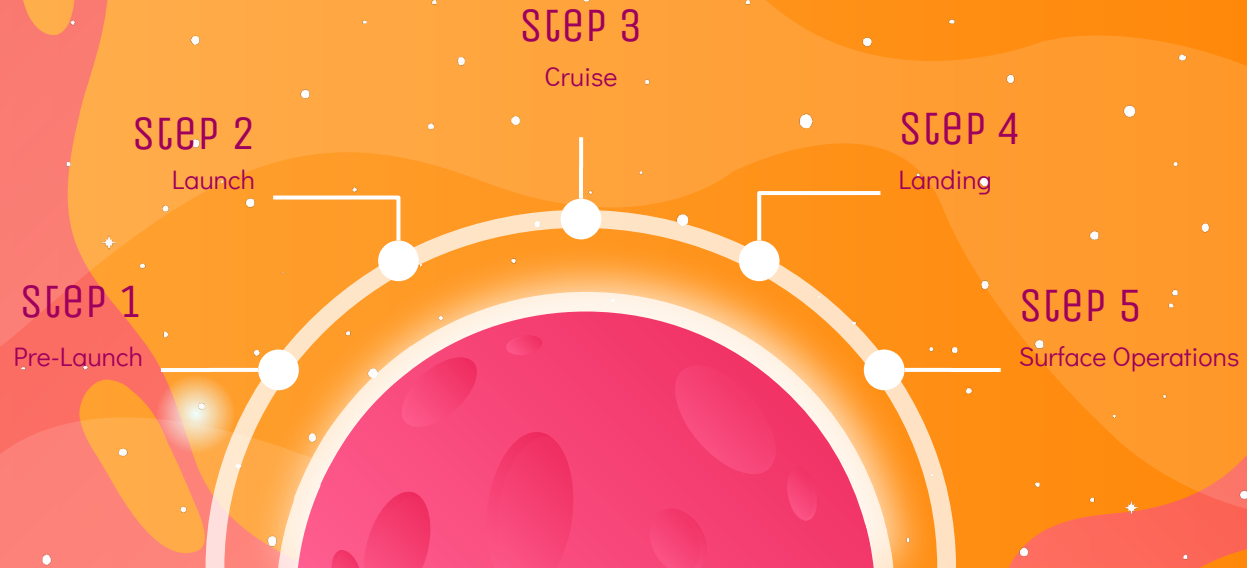
03

nix

OSITY

everance

PROCESS



The background is a vibrant space-themed illustration. It features a large, central, wavy shape in shades of orange and yellow. The surrounding space is a deep red, filled with numerous white stars of varying sizes. Several bright, yellow and white streaks represent comets or meteors. In the upper left, there are two overlapping, translucent spheres. In the upper right, a small, detailed planet is visible. In the lower right, a larger, solid-colored sphere is shown. A thin, white crescent moon is positioned on the left side of the central orange shape.

INTRODUCTION

The Mars 2020 Perseverance rover launched July 30, 2020, at 4:50 a.m. PDT (7:50 a.m. EDT), and lands on Mars February 18, 2021. Surface operations last at least one Mars year (about 687 Earth days).

Mastcam-Z
Zoomable Panoramic Cameras

SuperCam
Laser Micro-Imager

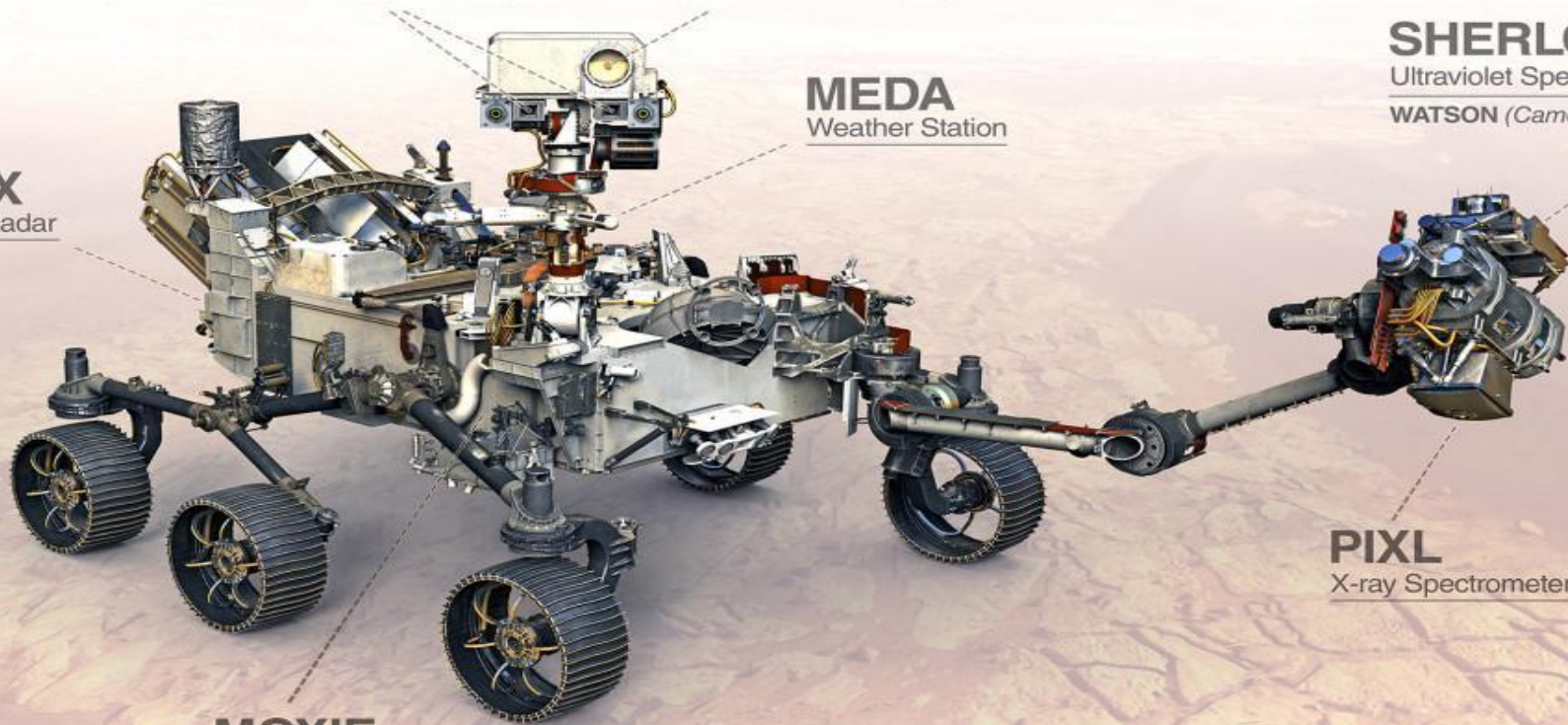
MEDA
Weather Station

SHERLOC
Ultraviolet Spectrometer
WATSON (Camera)

RIMFAX
Subsurface Radar

PIXL
X-ray Spectrometer

MOXIE
Produces Oxygen from Martian CO₂





292,526,838 MILES

LEFT @ 24,600 MI/HR

2260 LBS

WHAT DID THAT TAKE?

MANY YEARS OF PLANNING

- What features?
- Where do we land?

NASA & JPL SCIENTISTS

These are the people that made it happen.

TONS OF TESTING

We don't want anything to go wrong

FULLY AUTONOMOUS

- 500,000 Lines of Code
- 12 Minutes
- 7 Minutes of Terror





Touchdown Confirmed.
We are safe on Mars!!!

The background is a vibrant space-themed illustration. It features a warm color palette of oranges, yellows, and reds. In the center, a white rocket ship is shown in profile, flying towards the right. Behind it is a large, detailed planet with numerous craters. To the right of the rocket is a large, white crescent moon. The background is filled with various celestial elements: smaller planets, stars of different sizes, and streaks of light representing shooting stars or meteors. The overall style is clean and modern, with a soft, ethereal glow.

THANKS!

Does anyone have any questions?

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yourcompany.com

credits

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