

Curiosity Rover

April 23, 2026 • vajiramandravi.com



Curiosity Rover Latest News

Recently, the Curiosity rover, part of NASA's Mars Science Laboratory mission, has found a mix of organic molecules on Mars.

About Curiosity Rover

- It is a **U.S.** robotic vehicle designed **to explore the surface of Mars.**
- It was launched aboard an Atlas V rocket Florida on Nov. 26, 2011, and landed on Aug. 5, 2012.
- It has been moving around the **Gale crater and Mount Sharp on Mars**
- The rover is part of **NASA's Mars Science Laboratory mission** which tested a novel landing method that saw the spacecraft descend on a parachute before its landing system fired up its rockets and hovered as the rover was lowered down onto the surface.
- **Features**
 - It is about 3 metres long and weighs about 900 kg.

- It **draws its electric power** from a **thermoelectric power generator**, with the heat source being the radioactive decay of plutonium and the heat sink being Mars's atmosphere.
- According to NASA, Curiosity has four main science goals in support of the agency's Mars exploration program:
 - Determine whether **life ever arose on Mars**.
 - Characterize the **climate of Mars**.
 - Characterize the **geology of Mars**.
 - Prepare for **human exploration**.

Source: IE

Source: <https://vajiramandravi.com/current-affairs/mars-curiosity-rover/>

© Vajiram & Ravi. For personal use only.