

## **Space exploration knowledge base**

This document contains facts about space missions and astronomical discoveries, including details about agencies launch years, objectives and notable achievements. It serves as a knowledge base for the Space Exploration Chatbot

### **Sputnik 1 (1957)**

- Agency : Soviet Union
- Launch year : 1957
- Objective : First Artificial Satellite to Orbit Earth
- Trivia : Launched on October 4, 1957, sparking the space race. Orbited Earth every 96 minutes at an altitude of about 250 kilometres.

<https://aerospace.org/article/brief-history-space-exploration>

### **Apollo 11 (1969)**

- Agency : NASA (United States)
- Launch year : 1969
- Objective : First Human Moon Landing
- Trivia : On July 20, 1969, Neil Armstrong and Buzz Aldrin became the first humans to walk on the Moon. The mission returned 21.5 kg of lunar samples

<https://aerospace.org/article/brief-history-space-exploration>

### **Hubble Space Telescope 1990**

- Agency : NASA / ESA
- Launch year : 1990
- Objective : Observe distinct galaxies and celestial objects
- Trivia : Launched April 24,1980, it has captured images of over 1.5 million objects including the Pillars of Creation. Serviced five times by space shuttle missions.

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### **Curiosity Rover (2011)**

- Agency : NASA (United States)
- Launch year : 2011
- Objective : Explore Mar's surface and assess habitability
- Trivia : Landed on Mars August 5<sup>th</sup> 2012, In Gale Crater. Found evidence of ancient water flows and organic molecules still active as of 2025.

<https://www.britannica.com/science/space-exploration>