

Artemis 1 moon mission of NASA

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In news- Recently, the Artemis I Moon rocket – NASA’s Space Launch System (SLS) with the Orion spacecraft atop it has been rolled out for its testing debut at Kennedy Space Center in Florida for the first time.

About Artemis I-

- **Artemis 1** is a planned uncrewed test flight for [NASA’s Artemis program](#) and **is named after Apollo’s twin sister, the goddess of the moon in Greek myth.**
- It is the first flight of the agency’s [Space Launch System](#) (SLS) super heavy-lift [launch vehicle](#) and the first flight of the [Orion Multi-Purpose Crew Vehicle](#) (MPCV).
- It **will provide a foundation for human deep space exploration**, and demonstrate our commitment and capability to extend human existence to the **Moon and beyond.**
- During this flight, the spacecraft will launch on the most powerful rocket in the world and **fly farther than any spacecraft built for humans has ever flown.**
- It will travel 280,000 miles from Earth, thousands of miles beyond the Moon over the course of about a four to six-week mission.



- **Orion will stay in space longer than any ship for astronauts** has done without docking to a space station and **return home faster and hotter than ever before.**
- The **SLS rocket is designed for missions beyond low-Earth**

orbit carrying crew or cargo to the Moon and beyond.

- As the spacecraft makes an orbit of Earth, it will deploy its solar arrays and the **Interim Cryogenic Propulsion Stage (ICPS)** will give Orion the big push needed to leave Earth's orbit and travel toward the Moon.
- With Artemis, **NASA plans to land the first woman and the first person of color on the Moon** and establish long-term exploration in preparation for missions to Mars.
- The Apollo program of the 1960s and 1970s carried Neil Armstrong, Buzz Aldrin and other Americans to the lunar surface.
- The **Artemis program is named after Apollo's twin sister, the goddess of the moon in Greek myth.**