

Artemis 1

November 16, 2022 • vajiramandravi.com



About Artemis 1:

Objective:

- It is only a lunar Orbiter mission even though, unlike most Orbiter missions, it has a return-to-Earth target — it is intended to lay the foundations for more complex and ambitious missions.
- The CubeSats it will carry are equipped with instruments meant for specific investigations and experiments, including searching for water in all forms and for hydrogen that can be utilised as a source of energy.
- Biology experiments will be carried out, and the impact of deep space atmosphere on humans will be investigated through the effect on dummy 'passengers' on board Orion.
- The Space Launch System (SLS) rocket, the most powerful ever built, will also be on test for its potential for more ambitious missions in the future.

Importance:

- It's been a half century since the six Apollo human Moon landings between 1969 and 1972.
- Since then, spacecraft have travelled beyond the solar system, exploratory missions have probed Mars, Jupiter, and Saturn, more than 500 astronauts have made return trips to space, and permanent space labs

have been set up.

Source : Indian Express

Source: <https://vajiramandravi.com/current-affairs/artemis-1/>

© Vajiram & Ravi. For personal use only.