

# Artemis II Mission Reference Guide

Aerospace Engineering · Practice Test · 20 Questions

---

## 1. How long is the Artemis II mission expected to last?

- A) 5 days
- B) 10 days
- C) 25 days
- D) 60 days

## 2. What is the primary purpose of the ARCHeR research on Artemis II?

- A) Testing fuel efficiency
- B) Studying human health and performance
- C) Mapping lunar craters
- D) Repairing the solar arrays

## 3. Which facility is responsible for manufacturing the SLS core stage?

- A) Kennedy Space Center
- B) Marshall Space Flight Center
- C) Michoud Assembly Facility
- D) Stennis Space Center

## 4. What is the main function of the Launch Abort System (LAS)?

- A) To provide extra fuel for the Moon journey
- B) To carry scientific payloads
- C) To pull the crew module to safety in an emergency
- D) To stabilize the rocket during landing

## 5. How many astronauts are scheduled to fly on the Artemis II mission?

- A) 2
- B) 3
- C) 4
- D) 6

## 6. What is the name of the new liquid hydrogen tank at Launch Pad 39B?

- A) The Saturn Sphere
- B) The Cryo-Tank
- C) The World's Largest LH2 Sphere
- D) The Orion Reservoir

**7. Which company is the lead contractor for the Orion spacecraft?**

- A) Boeing
- B) Lockheed Martin
- C) Northrop Grumman
- D) Amentum

**8. What does the crew module uprighting system do?**

- A) Helps the crew sleep
- B) Flips the Orion capsule right-side up after splashdown
- C) Cleans the cabin air
- D) Provides power for the radio

**9. What material is used for the Orion heat shield blocks?**

- A) Aluminum
- B) Avcoat
- C) Titanium
- D) Silica fiber

**10. Where will the Orion spacecraft splash down at the end of the mission?**

- A) Atlantic Ocean
- B) Indian Ocean
- C) Pacific Ocean
- D) Gulf of Mexico

**11. What type of communications technology will be demonstrated on Artemis II?**

- A) Radio waves
- B) Laser communications
- C) Sound waves
- D) Satellite phone signals

**12. Which agency provides the European Service Module for Orion?**

- A) CSA
- B) ESA
- C) JAXA
- D) NASA

**13. What is the primary function of the crawler-transporter?**

- A) To launch the rocket
- B) To carry the rocket and mobile launcher to the pad
- C) To manufacture rocket parts
- D) To test the engines

**14. What does the RS-25 engine use for fuel?**

- A) Liquid hydrogen and liquid oxygen
- B) Solid propellant
- C) Hydrazine
- D) Kerosene

**15. How many main parachutes does Orion use for landing?**

- A) 1
- B) 3
- C) 5
- D) 11

**16. What is the name of the emergency egress system terminus?**

- A) The White Room
- B) The Pad Terminus
- C) The Launch Control Center
- D) The Safe Haven

**17. Which facility acts as the 'brain' of the rocket during launch?**

- A) Vehicle Assembly Building
- B) Launch Control Center
- C) Stennis Space Center
- D) Booster Fabrication Facility

**18. What is the maximum speed Orion reaches during re-entry?**

- A) Mach 5
- B) Mach 10
- C) Mach 20
- D) Mach 30

**19. What is the purpose of the Flywheel Exercise Device?**

- A) To generate electricity
- B) To prevent muscle and bone atrophy
- C) To stabilize the spacecraft
- D) To filter water

**20. What is the name of the barge used to transport the SLS core stage?**

- A) Poseidon
- B) Orion
- C) Pegasus
- D) Delta Mariner