

Artemis II Mission Reference Guide

Aerospace Engineering · Practice Test · 15 Questions

1. How many astronauts are scheduled to travel on the Artemis II mission?

- A) 2
- B) 3
- C) 4
- D) 5

2. Which NASA facility serves as the primary hub for Exploration Ground Systems?

- A) Marshall Space Flight Center
- B) Kennedy Space Center
- C) Johnson Space Center
- D) Armstrong Flight Research Center

3. What is the primary function of the Orion launch abort system?

- A) To provide extra fuel for deep space
- B) To pull the crew to safety in an emergency
- C) To stabilize the rocket during ascent
- D) To deploy CubeSats

4. What is the purpose of the ARChER research on Artemis II?

- A) To study lunar rocks
- B) To study crew health and readiness
- C) To test rocket engine fuel
- D) To map the lunar surface

5. Which rocket is used to launch the Orion spacecraft for the Artemis II mission?

- A) Saturn V
- B) Delta IV
- C) Space Launch System (SLS)
- D) Falcon 9

6. Where is the SLS core stage manufactured?

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

7. What is the main purpose of the sound suppression system at the launch pad?

- A) To cool the rocket engines
- B) To prevent forest fires
- C) To dampen sound and vibration during liftoff
- D) To provide drinking water for the crew

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

- A) 10 days
- B) 25 days
- C) 6 months
- D) 1 year

9. Which component of Orion is responsible for providing power, propulsion, and thermal control?

- A) Crew Module
- B) Launch Abort System
- C) European Service Module
- D) Pressure Vessel

10. What are the shoe-box-sized technology demonstrations hitching a ride on Artemis II called?

- A) Satellites
- B) CubeSats
- C) Probes
- D) Rovers

11. What material is used for the Orion heat shield to protect the crew from re-entry heat?

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

12. Which facility is responsible for hot-fire testing of the RS-25 engines?

- A) Michoud Assembly Facility
- B) Stennis Space Center
- C) Kennedy Space Center
- D) Ames Research Center

13. What is the name of the vehicle that transports the SLS and mobile launcher to the pad?

- A) Crawler-transporter
- B) Tugboat
- C) Train
- D) Space Shuttle

14. What is the primary purpose of the AVATAR organ-on-a-chip experiment?

- A) To grow food in space
- B) To measure human response to deep space stressors
- C) To test new solar panels
- D) To study microgravity on plants

15. Which NASA center manages the SLS Program Office?

- A) Marshall Space Flight Center
- B) Johnson Space Center
- C) Kennedy Space Center
- D) Goddard Space Flight Center