

# ARTEMIS

Uncrewed mission to moon and back will test performance of **Space Launch System (SLS)** – more powerful than Saturn V rocket – and Orion capsule

- First crewed test flight. Orion will take four astronauts 8,889km beyond moon – further from Earth than humans have ever been, and complete lunar flyby before return

■ First moon landing since ***Apollo 17*** in 1972. Four astronauts aboard Orion will dock with ***Lunar Gateway*** and remain in space for 30 days. Lunar lander will then take one man and one woman down to moon's South Pole to conduct experiments over one week

■ No lunar landing. Mission will deliver **International Habitation Module (I-HAB)** to Lunar Gateway. Designed by **European Space Agency** and **Japan Aerospace Exploration Agency**, I-HAB will provide main living space for astronauts in station

■ Mission will deliver Canadian-built robotic arm system and ESA's **ESPRIT** refuelling and communications module to Lunar Gateway. Two of four-strong crew will then fly down to lunar south pole with NASA's **Lunar Terrain Vehicle** on board lander