National Aeronautics and Space Administration

# LAUNCHING TO THE MOON AND BEYOND

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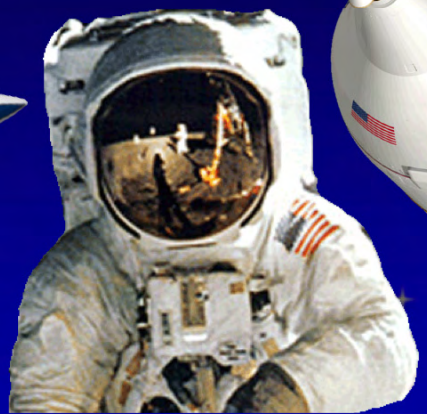
# What is NASA?

**N**ational

**A**eronautics and

**S**pace

**A**dministration



# The Earth and Moon

## Moon

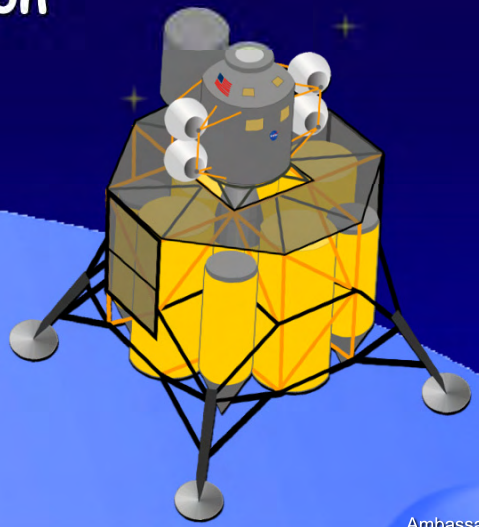
- The Moon is 240,000 miles from Earth
- The Moon is 2,160 miles across

## Earth

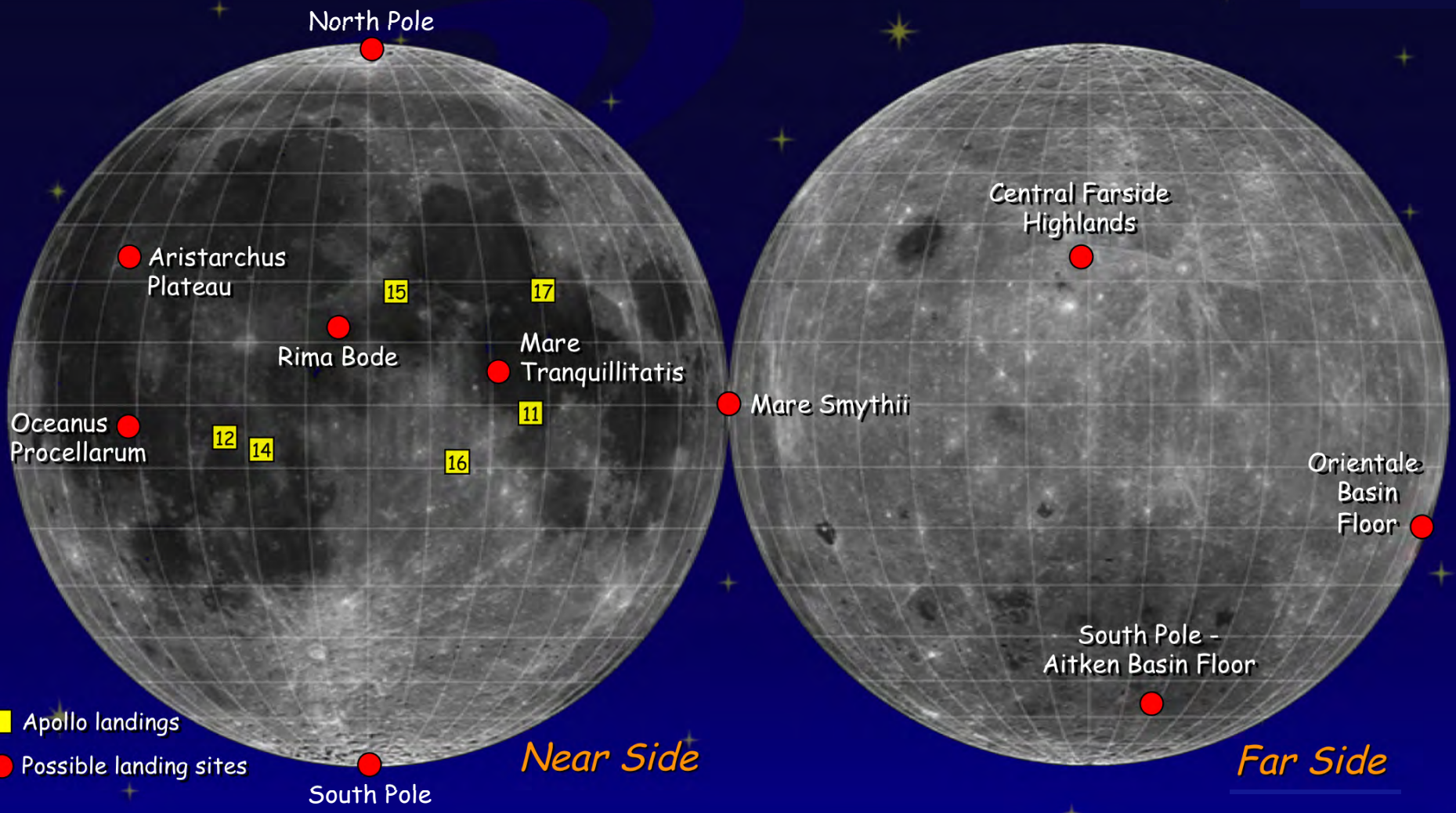
- If the Earth were hollow, 50 moons would fit into the Earth
- The Earth is 7,926 miles across

# Why the Moon?

- It's close – it only takes 3 days to get there
- The Moon is a stepping stone to the rest of the solar system
- To explore areas where humans have never been, like the poles and the far side of the Moon



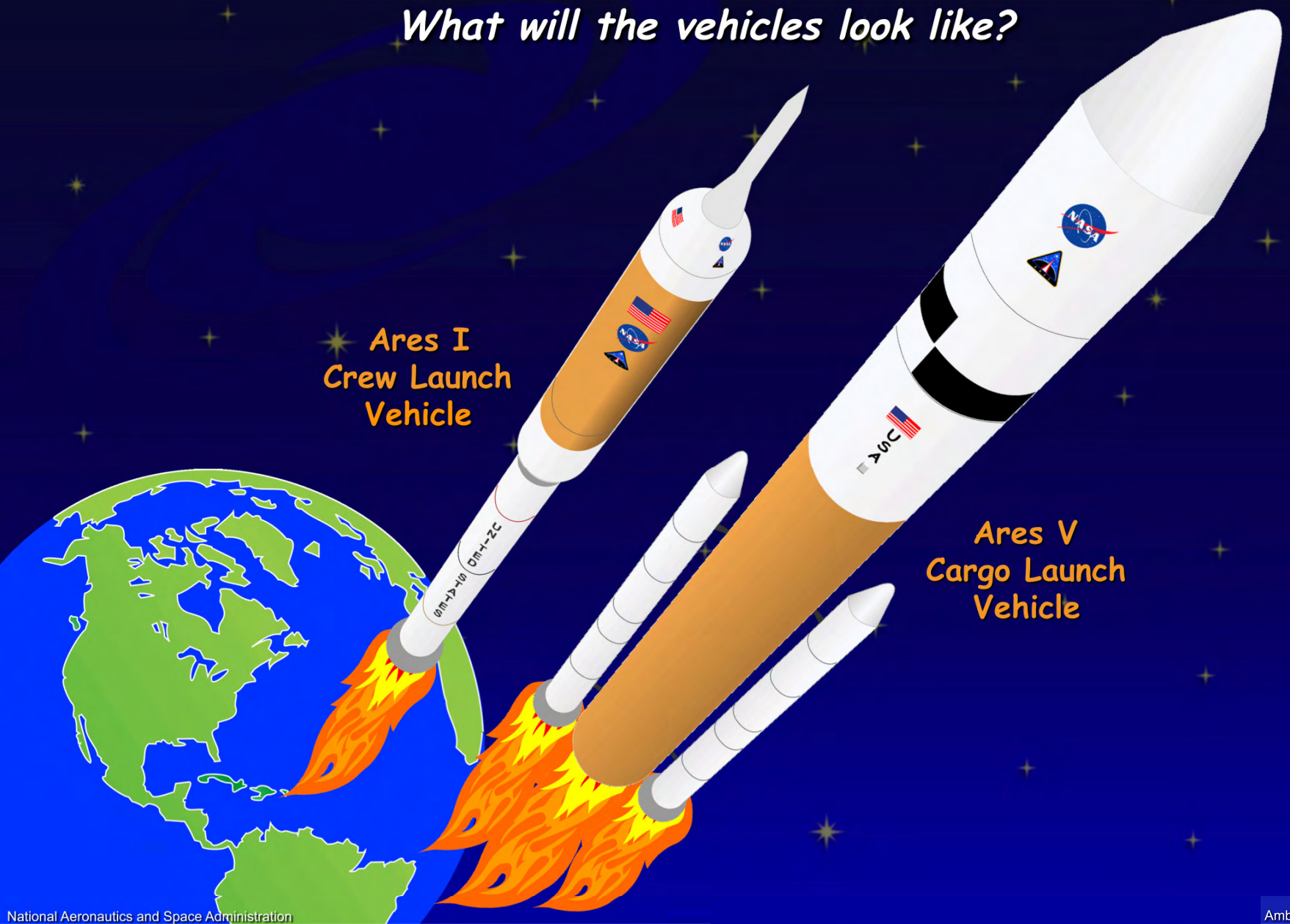
# There Are Many Places To Explore



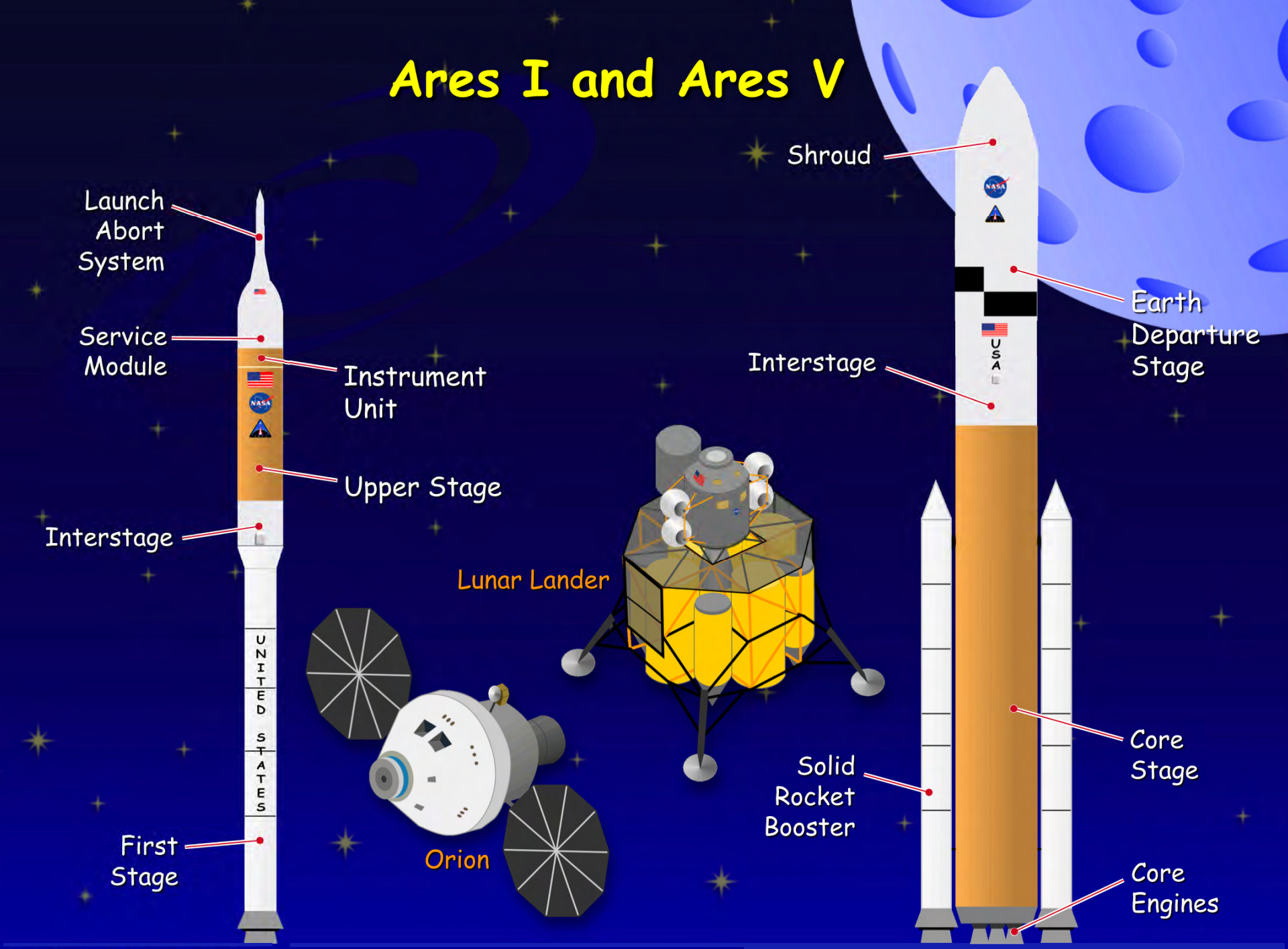

***It is our goal to land anywhere on the Moon!***

# Our Exploration Fleet

*What will the vehicles look like?*



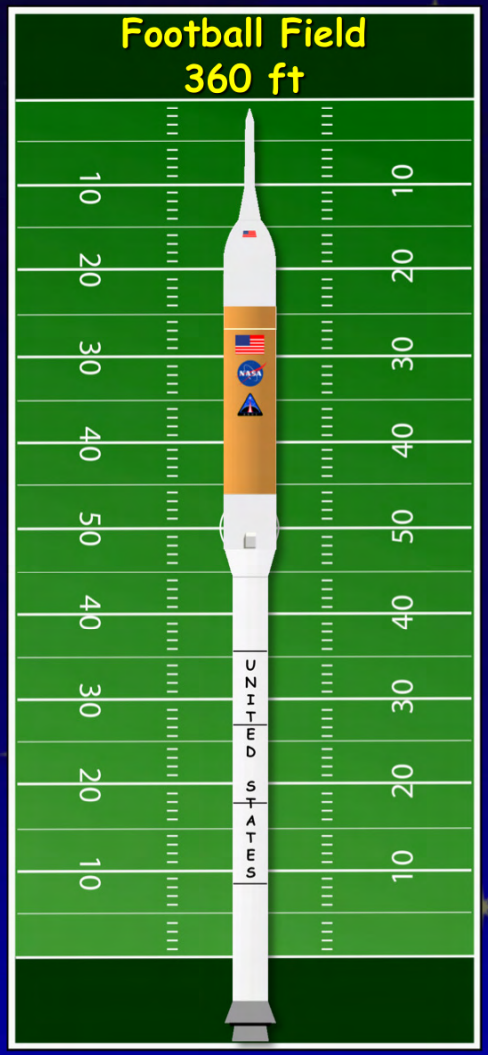
# Ares I and Ares V

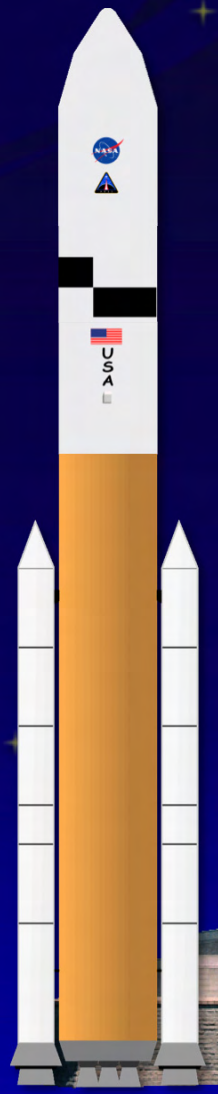


# How Tall Is It?

Ares I
325 ft

Ares V
381 ft



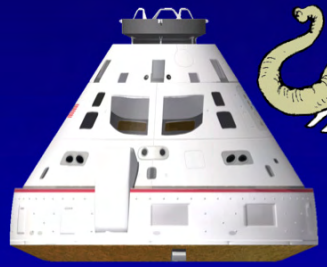




Statue of Liberty
305 ft

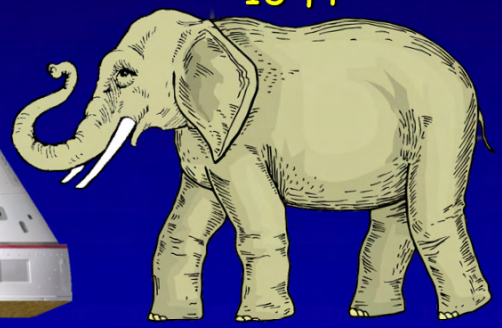
Altair
32 ft

Locomotive
32 ft

Orion
10.8 ft



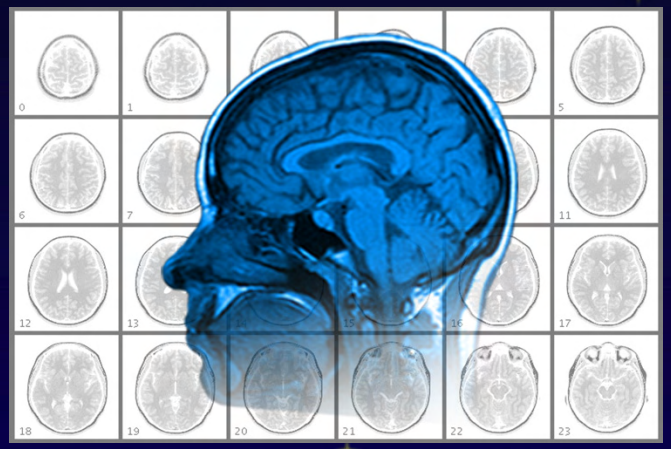
Elephant
13 ft



# Benefits of Space Exploration

Lasers

Pacemaker



Diagnostic Imagery (MRI)

GPS

Satellite Imagery

Dehydrated Food

# Careers at NASA

Space Chef

Space Farmer

Astronaut

Microbiologist

Spacesuit Designer

Geologist

Engineer

Scientist

Payload Communicator

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