

# Build a Lab for Scientific Research

A well-equipped laboratory will allow astronauts to conduct real-time experiments on the Moon.



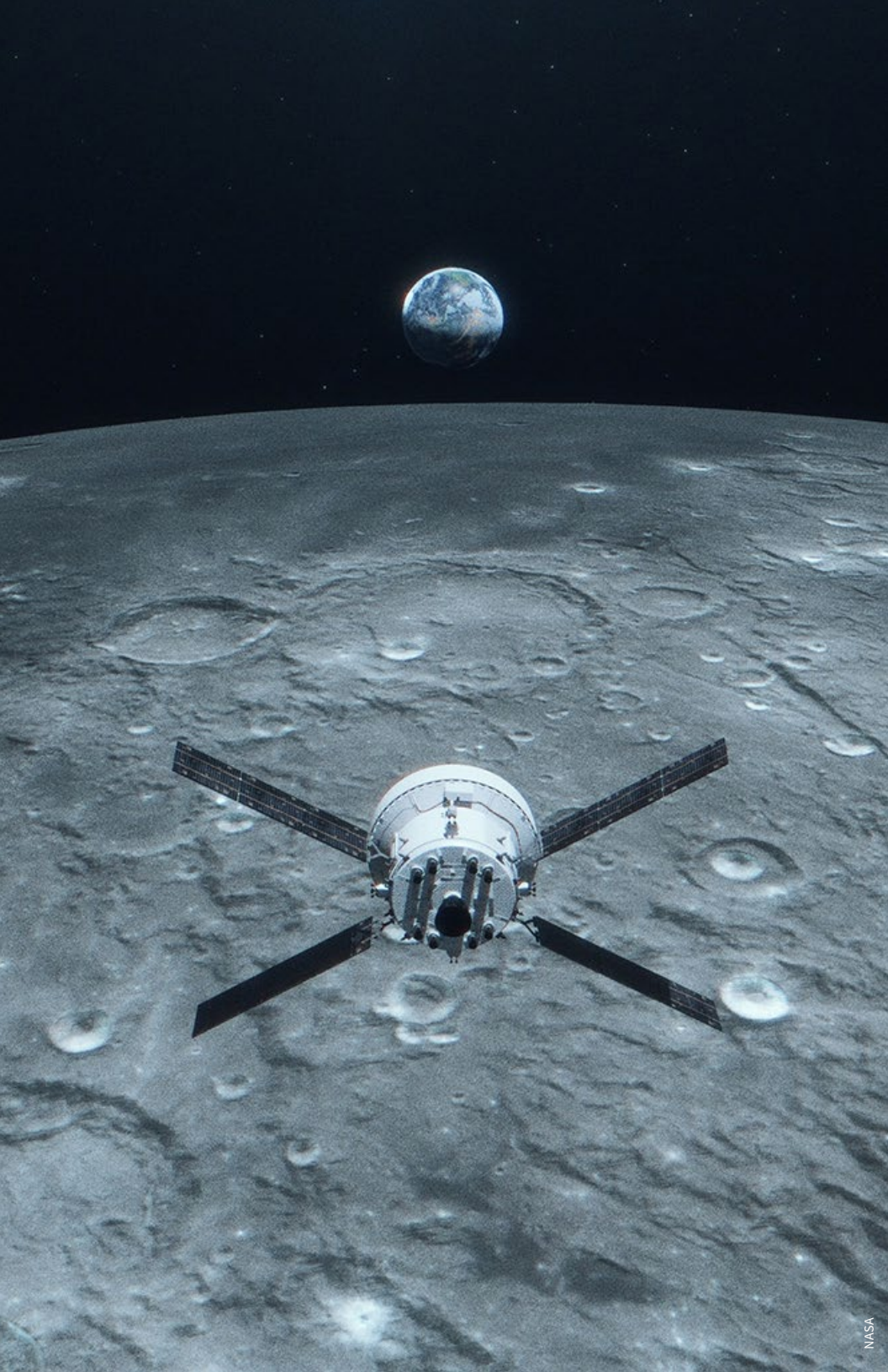
ESA

## YOUR CHALLENGE

Build a research lab to further your exploration on the Moon.

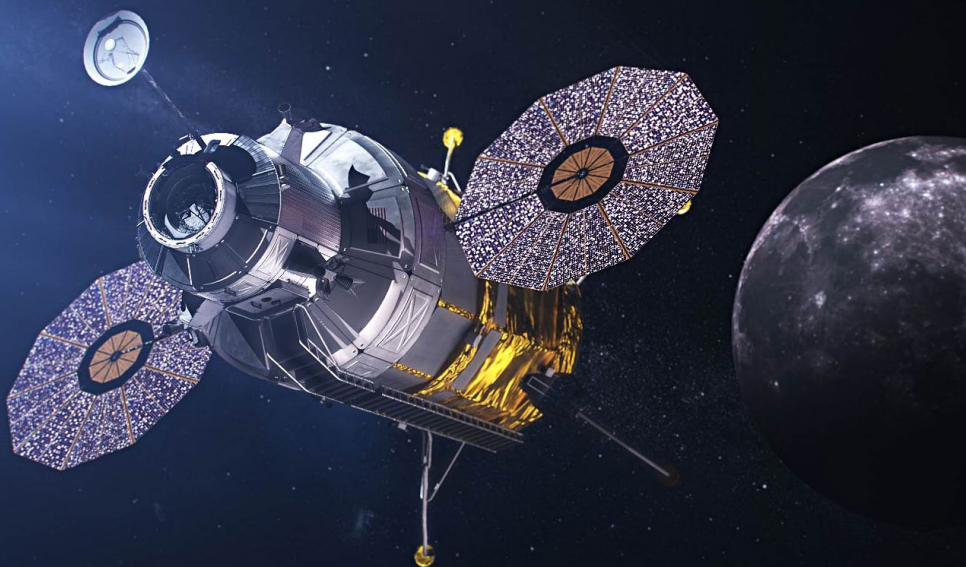
Check your supplies!





# Build a Lunar Lander

A lunar lander will shuttle astronauts from a space station in lunar orbit to the surface of the Moon and back.



NASA

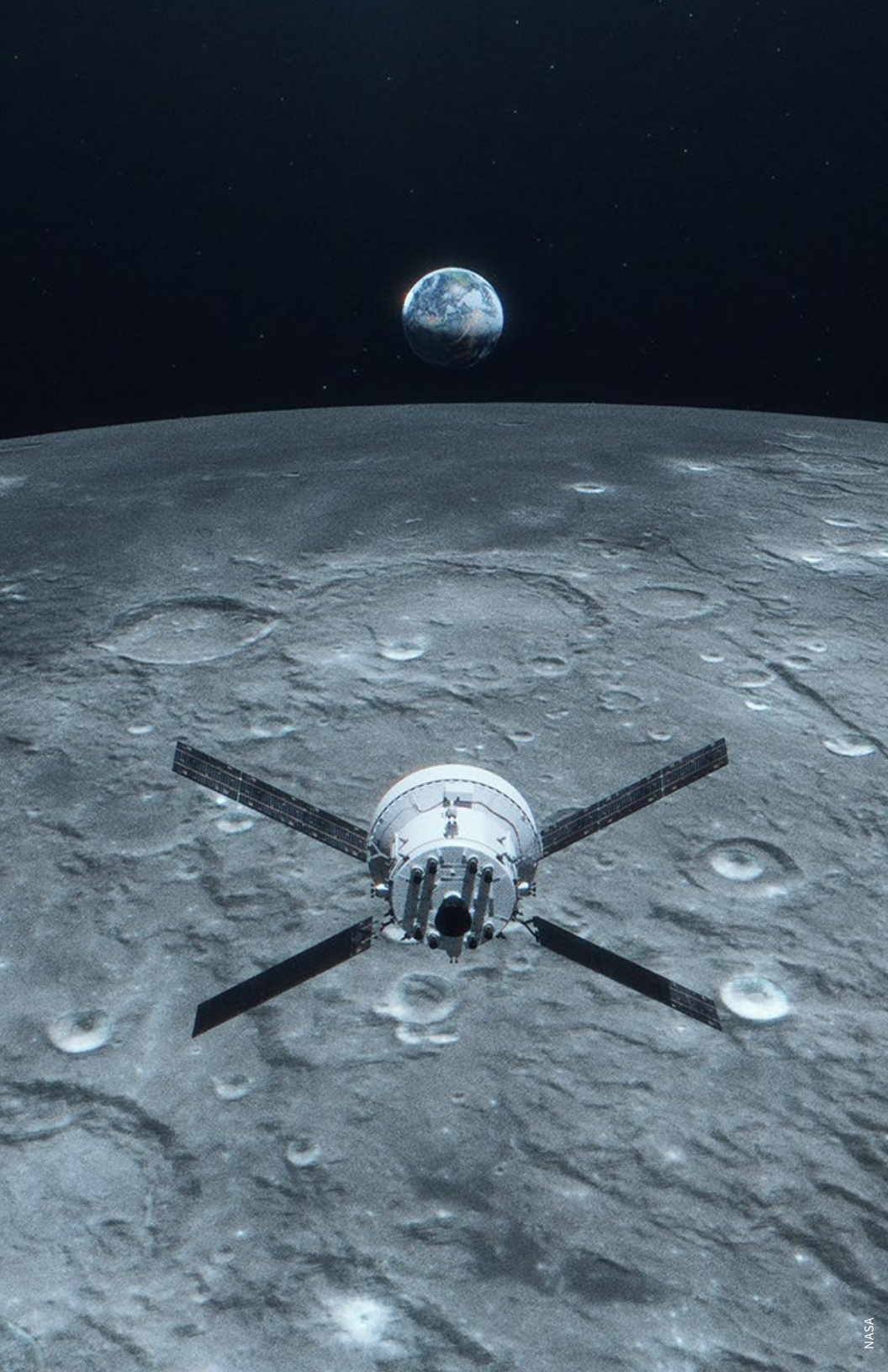
## YOUR CHALLENGE

Build a lunar lander that can quickly take astronauts to the space station in orbit around the Moon.

Check your supplies!







# Survive a Solar Storm

Our Sun occasionally releases massive explosions of energetic particles out into space. Earth is protected from these solar storms by its magnetic field, but the Moon has no field, so astronauts will be left exposed to space radiation.



ESA / Foster + Partners

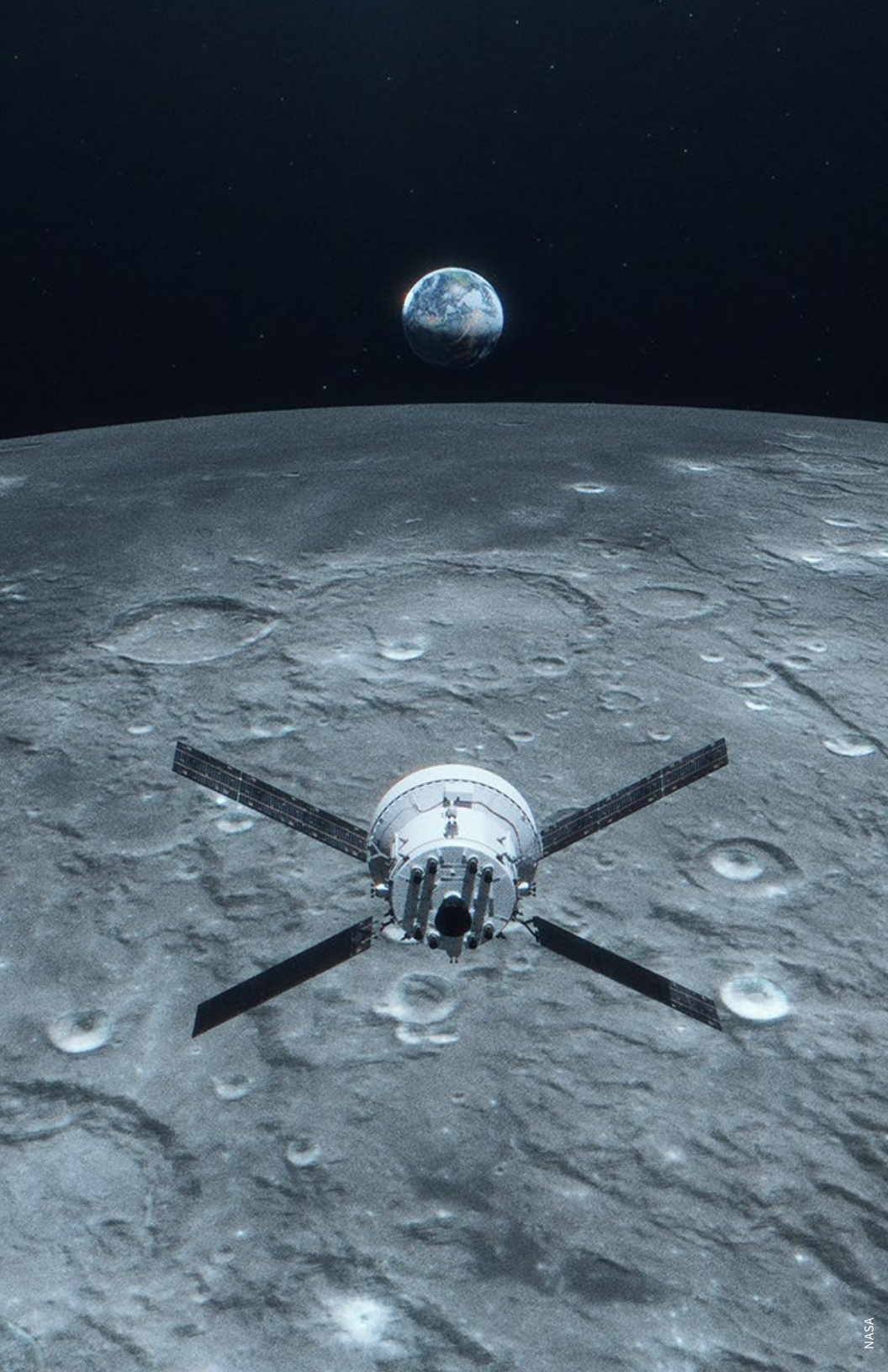
## YOUR CHALLENGE

Build a super safe space with thick walls to protect your crew from the high radiation levels during a solar storm.

Check your supplies!







# Build a Greenhouse

Planting and tending to a lunar garden will supply astronauts with necessary nutrients and a sense of normalcy.



NASA

## YOUR CHALLENGE

Build a greenhouse to grow food to feed your crew.

Check your supplies!







# Throw a Party in Space

Astronauts need to have fun too—and just think of the low-gravity dance moves. Look at your Thrive blocks. What are the essential things you would want at a party on the Moon?



Adobe Stock

## YOUR CHALLENGE

Your astronaut friend is having a birthday – plan a party to celebrate!

Check your supplies!



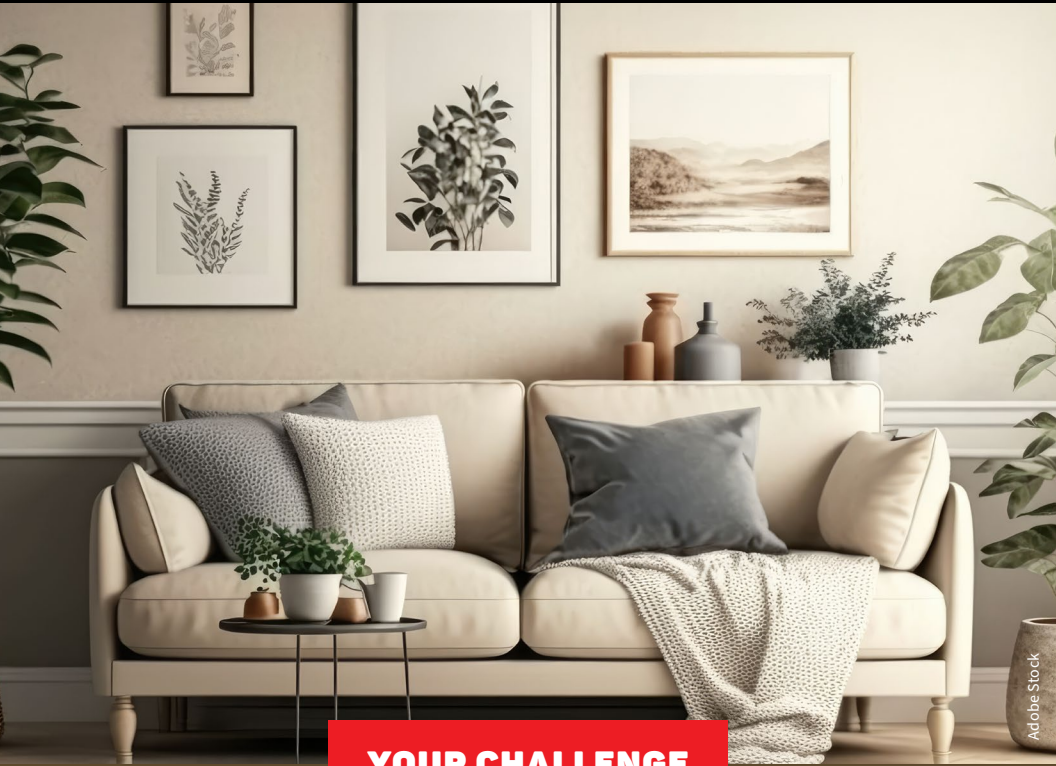
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# Destress in a Relaxation Room

Being away from home for months or even years will be tough on the mental health of astronauts. What items help you relax and feel comfortable? Look at your Thrive blocks. What are the essential things you would want as part of a relaxation room?



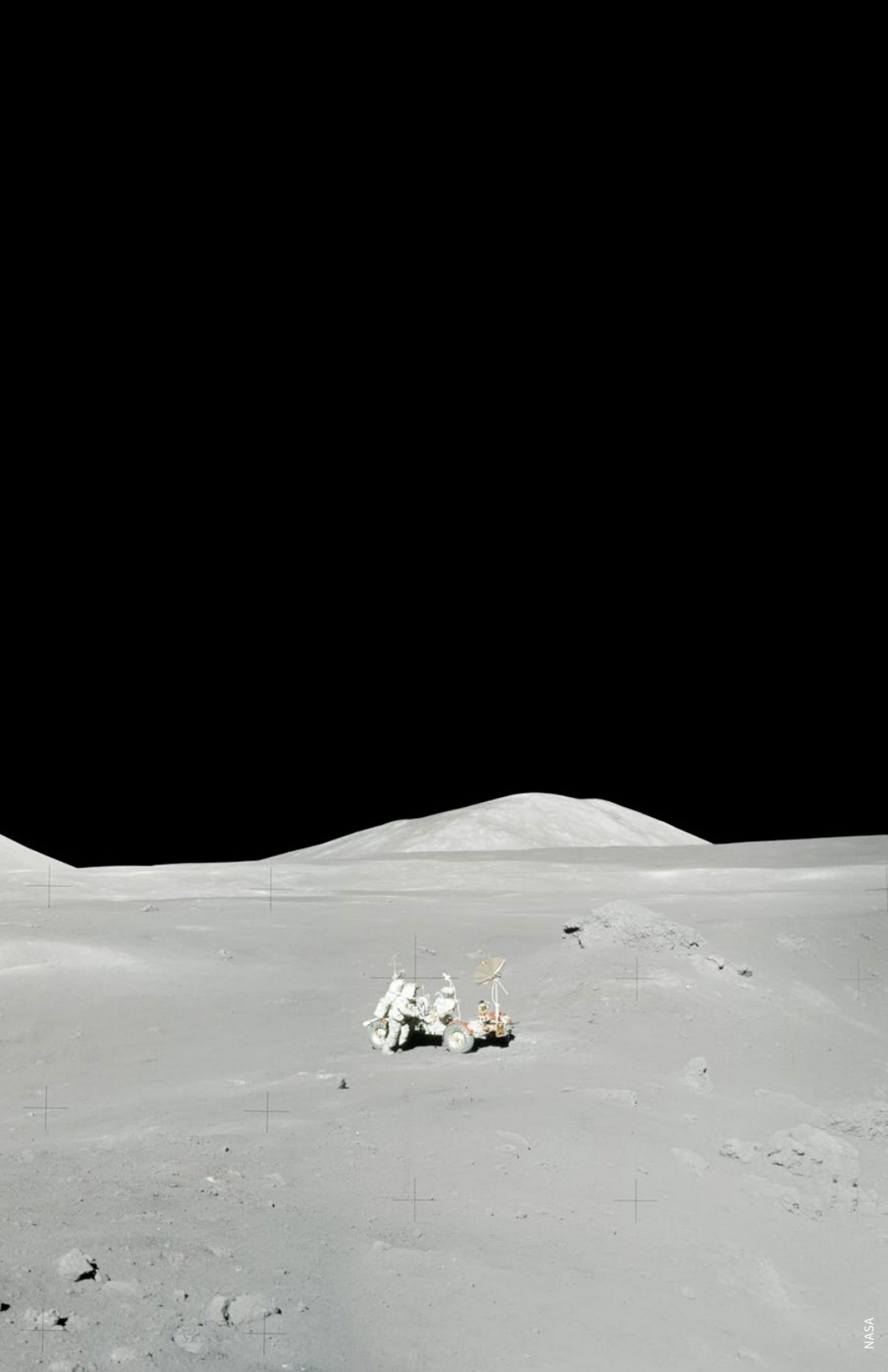
## YOUR CHALLENGE

Living on the Moon could be stressful.  
Build a special room to help astronauts relax.

Check your  
supplies!







# Survive Symbols:

These items help keep astronauts alive in an environment very different from Earth.



H<sub>2</sub>O

Water



Oxygen



Power



Prepackaged food



Resource recycling



Sleeping area



Communications





# Thrive Symbols:

These items help keep astronauts mentally and physically fit, which is crucial for the success of the space mission.



**Physical exercise**



**Favorite foods**



**Entertainment**



**Hygiene**



**Comforts**



**Scientific instruments**



**Health and first aid**



**Greenhouse**



**Pets**

