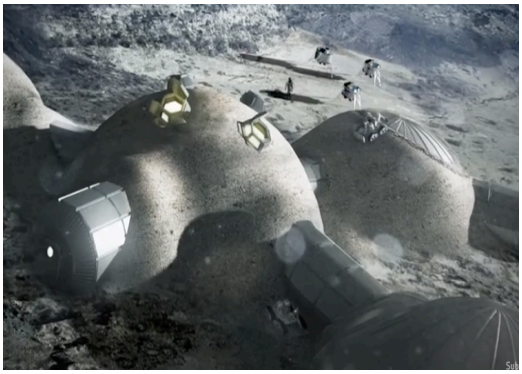
Design out the box

Moon Base



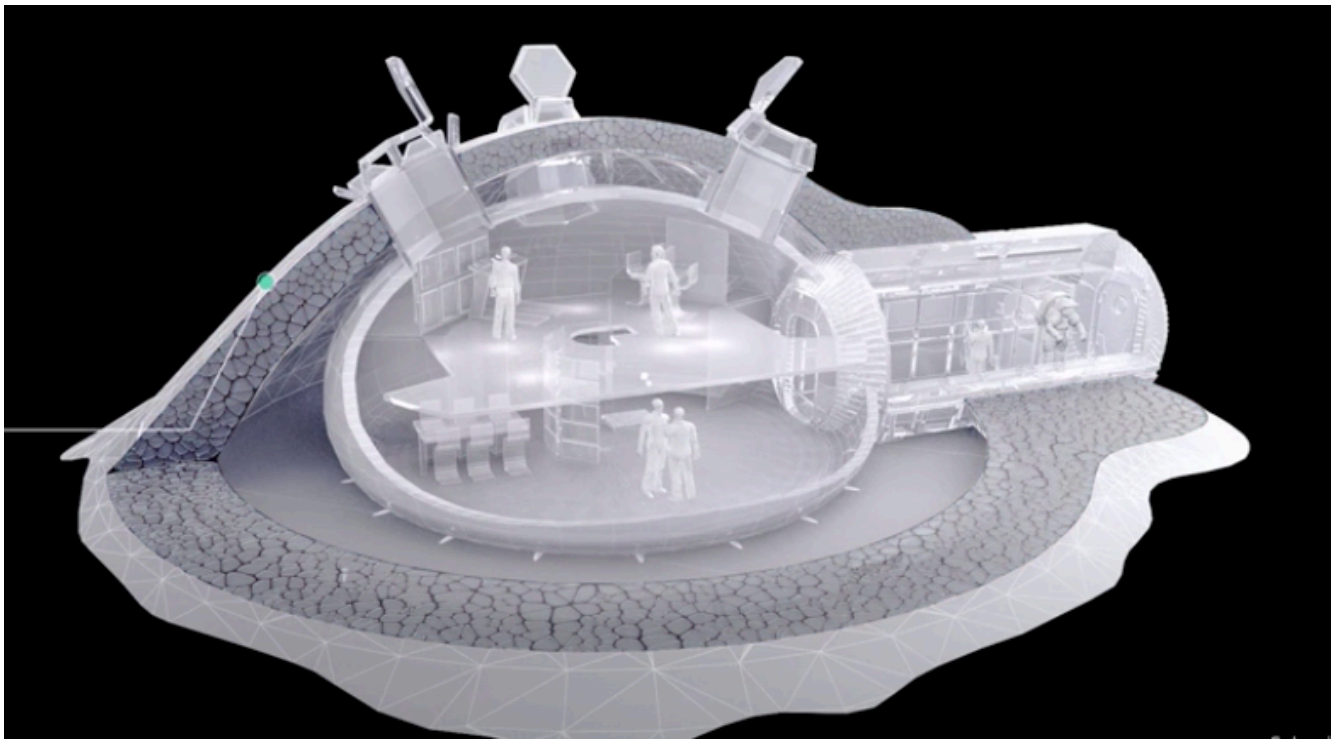
CONTEXT

Moon bases have long been a staple of science fiction, but a renewed push for lunar exploration suggests they're on the brink of becoming science fact. Half a century after the last Apollo astronauts left the moon, The president of the USA has ordered NASA to plan a return. Experts say the moon's low gravity and proximity to Earth, along with its natural resources, make it a perfect staging post for missions to Mars and other deep-space destinations as well as a new frontier for humans to Settle

DESIGN TASK

The European Space Agency (ESA) have sent robots remotely operated from Earth to test if Lunar soil may also prove useful as a building material. ESA has successfully 3D printed small prototypes on the surface of the moon. They now plan to scale this up to 3D print a moon base. "The huge advantage of 3D printing is you don't have to take all the parts from Earth," They plan to build basic habitats and other infrastructure before humans arrive, adding that the habitats will likely be buried under several feet of soil to shield inhabitants from cosmic rays and solar flares. Design a habitat that allows astronauts to work, rest and play. The habitat must make clever use of space as well as housing lunar vehicles safely.

https://www.youtube.com/watch?v=pk9PWUGkz7o



Moon Base

TASK

On the moon surface shown below design your moon base, annotate all the features such as the living quarter etc..

Moon Base

TASK

Produce a side view of your moon base…..