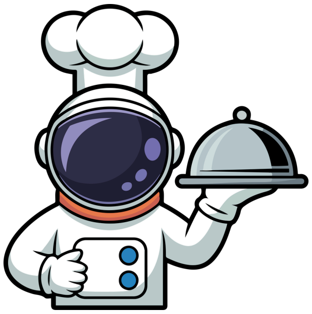
Station 1: Food in Space



First: Consider the following challenges.

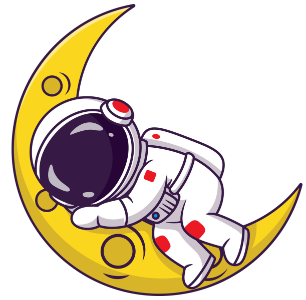
Then: Design a solution to help astronauts eat in space.

- All food must either be packed and taken with you from Earth or grown on the station.
- When you let go of anything, it floats.
- Aim to maximize nutrition and minimize waste.

Draw your solution below!

Label every material used in your solution.

Station 2: Sleep in Space



First: Consider the following challenges.

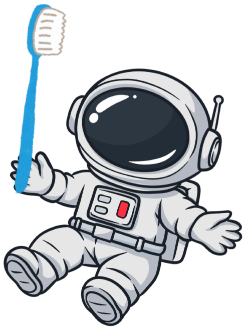
Then: Design a solution to help astronauts sleep in space.

- Astronauts orbiting on the International Space Station experience 16 sunrises/sunsets in 24 hours.
- You float while sleeping; there is no clear bed surface.
- Other people may be awake and nearby working.

Draw your solution below!

Label every material used in your solution.

Station 3: Hygiene in Space



First: Consider the following challenges.

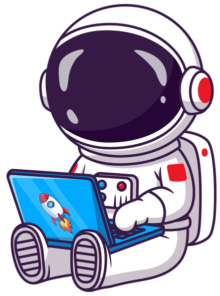
Then: Design a solution for astronaut hygiene in space.

- Water floats or clings to nearby surfaces.
- The water supply on the station is extremely limited.
- Astronauts exercise for two hours a day.
- There are no laundry facilities or sinks.

Draw your solution below!

Label every material used in your solution.

Station 4: Science in Space



First: Consider the following challenges.

Then: Design a solution for science experiments in space.

- Experiments and equipment can't just sit on a table.
- Liquids don't pour; they form spheres and float.
- Spilled chemicals, sharp tools, or loose materials float away from the lab area if not secured.

Draw your solution below!

Label every material used in your solution.