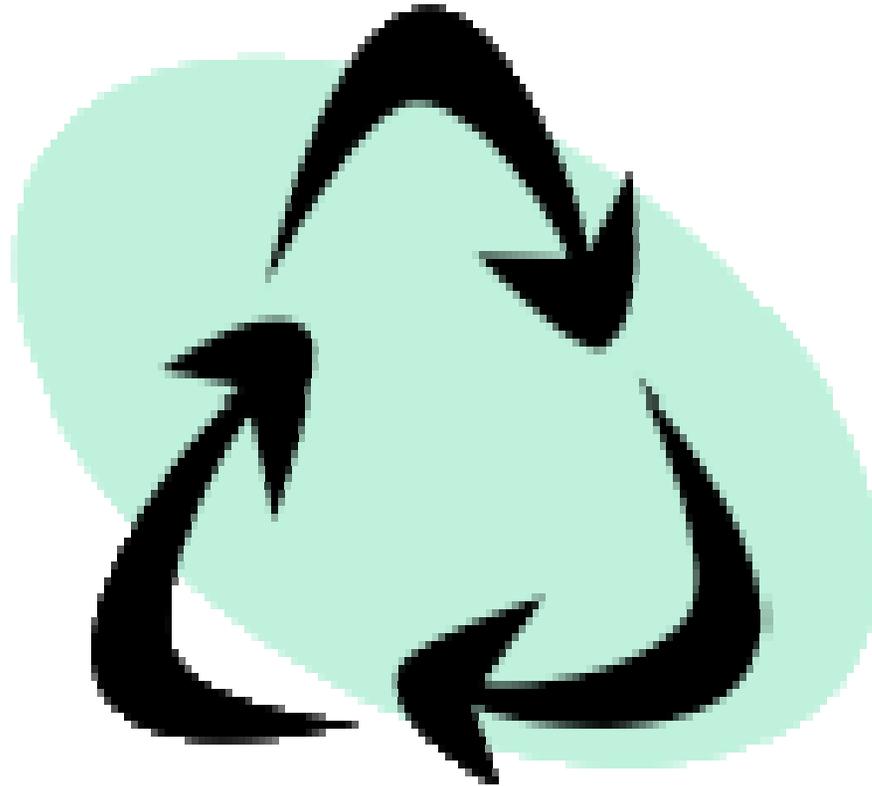


Where do Astronauts get water?

Recycling used water



Humidity in the Air

Collected from:

- Breathing
- Urine
- Heat

We can Purify water too!

Materials needed:

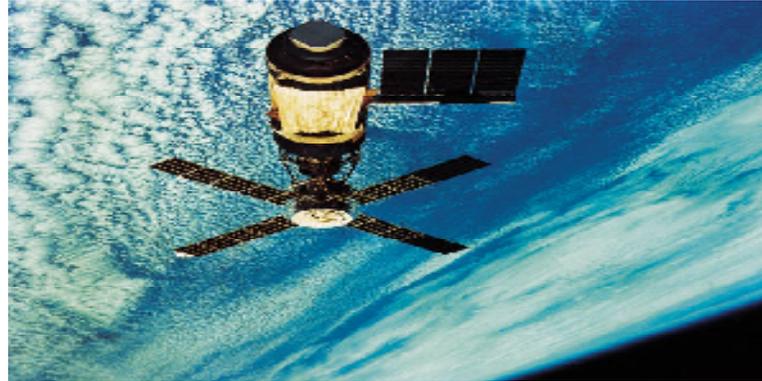
- pitcher of water
- dirt
- scissors
- gravel
- sand
- cotton
- cups

Instructions:

1. mix up some dirty, salty water in a pitcher.
2. Then use cups to build a filter that will filter out most of the dirt using sand, gravel, and cotton.

Results:

**IS THE WATER CLEAR?
JOT DOWN YOUR RESULTS**



If the water is clear.

Then you are ready to go to space!

- Water is made up of very small particles called molecules.
- Each water molecule is made of two hydrogen atoms and one oxygen atom.
- That's why water is called H₂O.
- When water is first poured into the filter, some of the water molecules stick to the gravel, sand, and cotton and get them wet.
- Once the filter is wet, the rest of the water molecules slip through the spaces in between the gravel, sand, and cotton. The dirt particles are bigger than the water molecules, so they can't get through. They get stuck in the