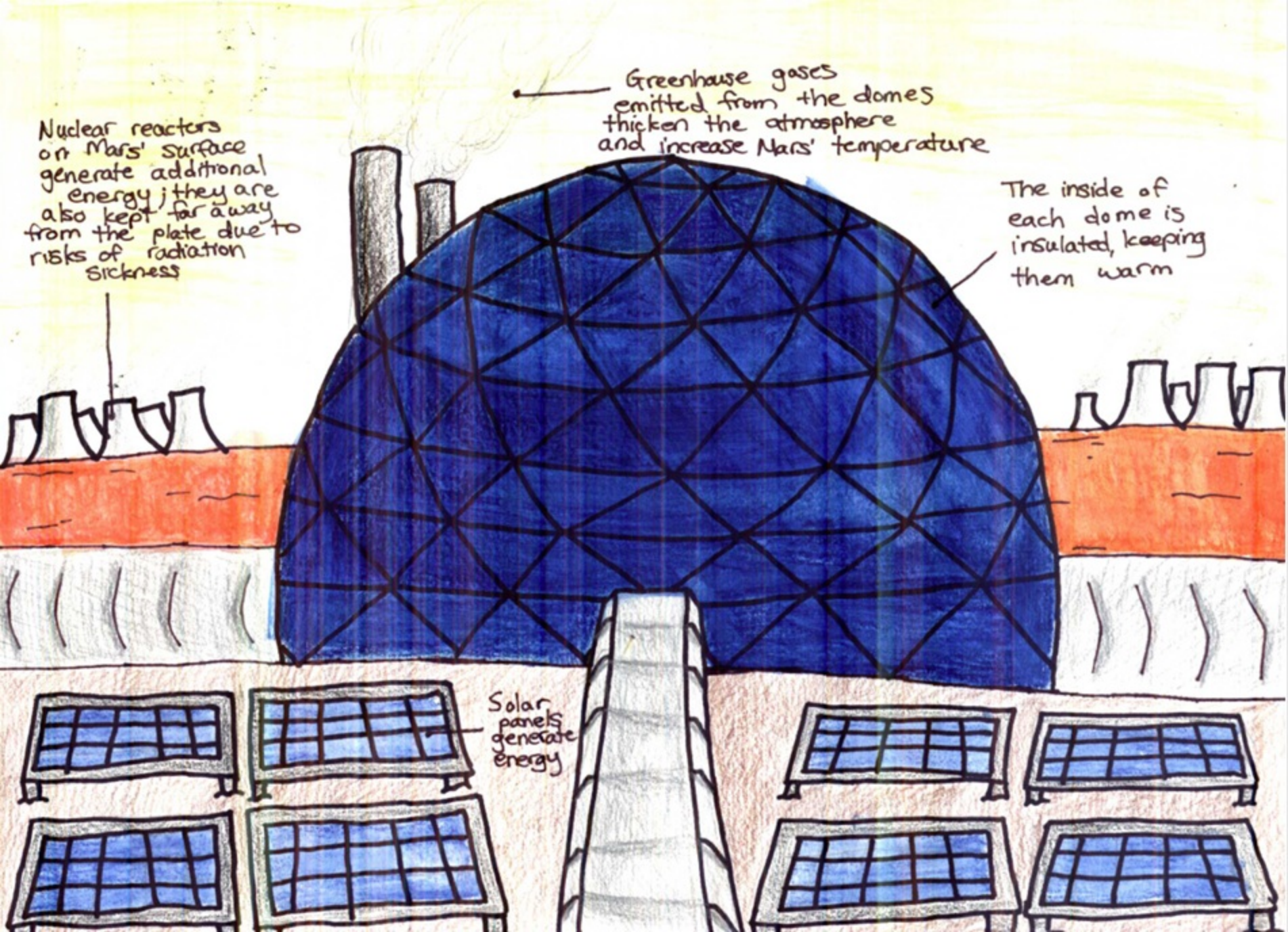


Nuclear reactors
on Mars' surface
generate additional
energy; they are
also kept far away
from the plate due to
risks of radiation
sickness

Greenhouse gases
emitted from the domes
thicken the atmosphere
and increase Mars' temperature

The inside of
each dome is
insulated, keeping
them warm

Solar
panels
generate
energy



Mars

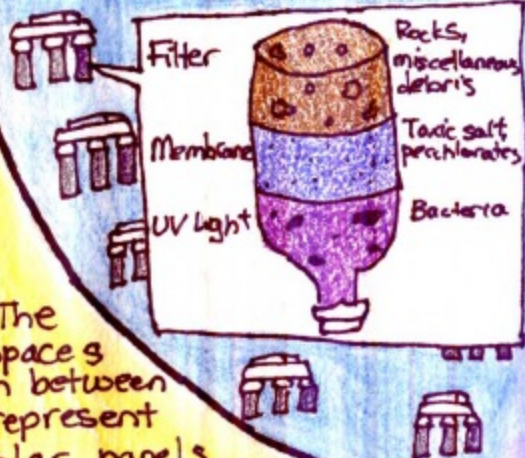
The outer circle is always spinning. This creates gravity similar to Earth's.

This is a bird's eye view of the inside of one dome. This dome contains food and water. This is one of the 7 total space domes.

Greenhouse gas emissions

People drill into glaciers on Mars, then deploy a solar-powered heated probe to vaporize the glacier. The vapor is then captured, condensed into water, and sent here. First, it's sent through a filter to remove debris. Then it passes through a membrane that traps perchlorates, or toxic salts. Finally, the water goes through a UV light that kills off any remaining bacteria.

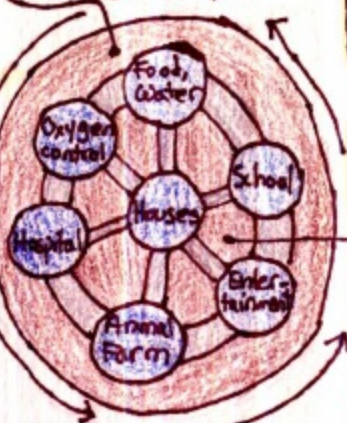
Water filtration



Greenhouse

The plants grown in the greenhouse provide food for those living on this planet. They also create oxygen. In the greenhouse, there is a steady temperature for the plants to thrive. The plants get nutrients from a hydroponics system.

Whole map



The spaces in between represent solar panels that generate energy.