

Marooned on Mars



Take out a blank sheet
of paper, label it

Page 317: **Marooned**
on **Mars**

The mission to
save Mark Watney.



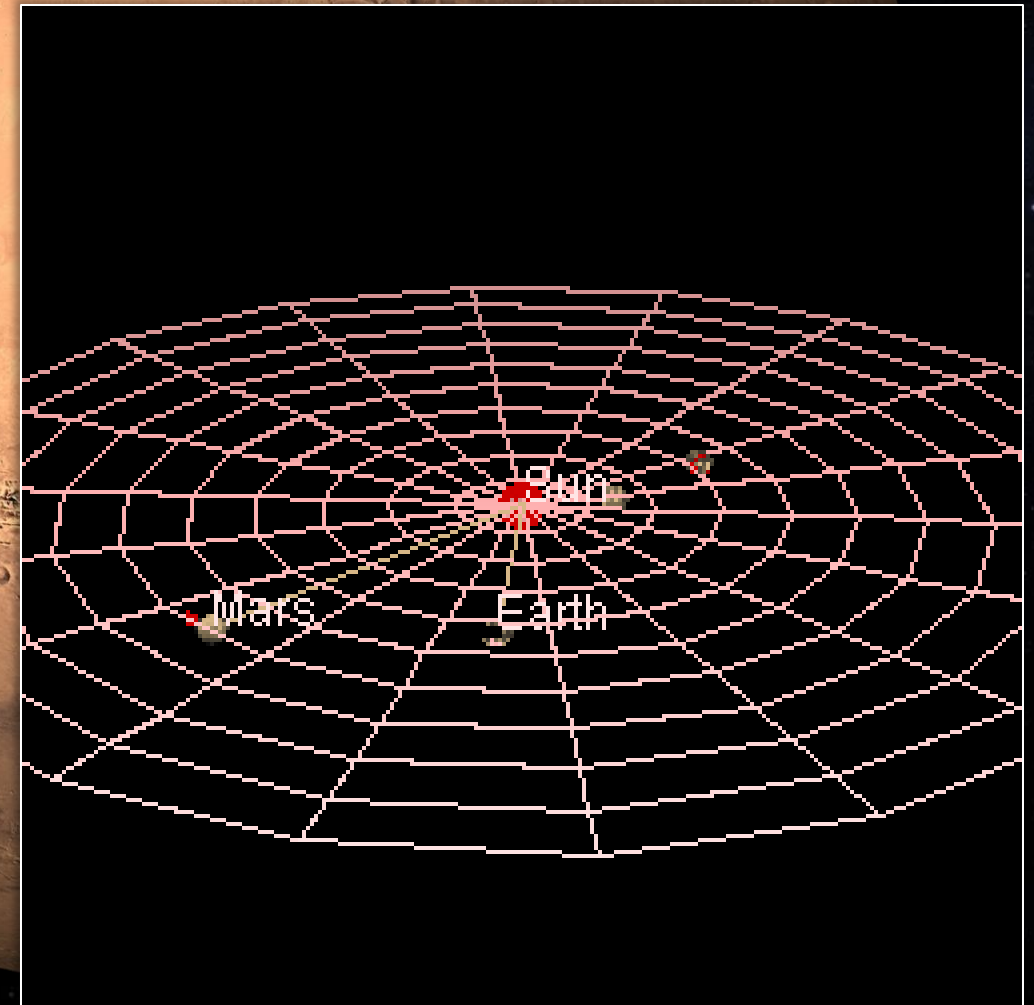
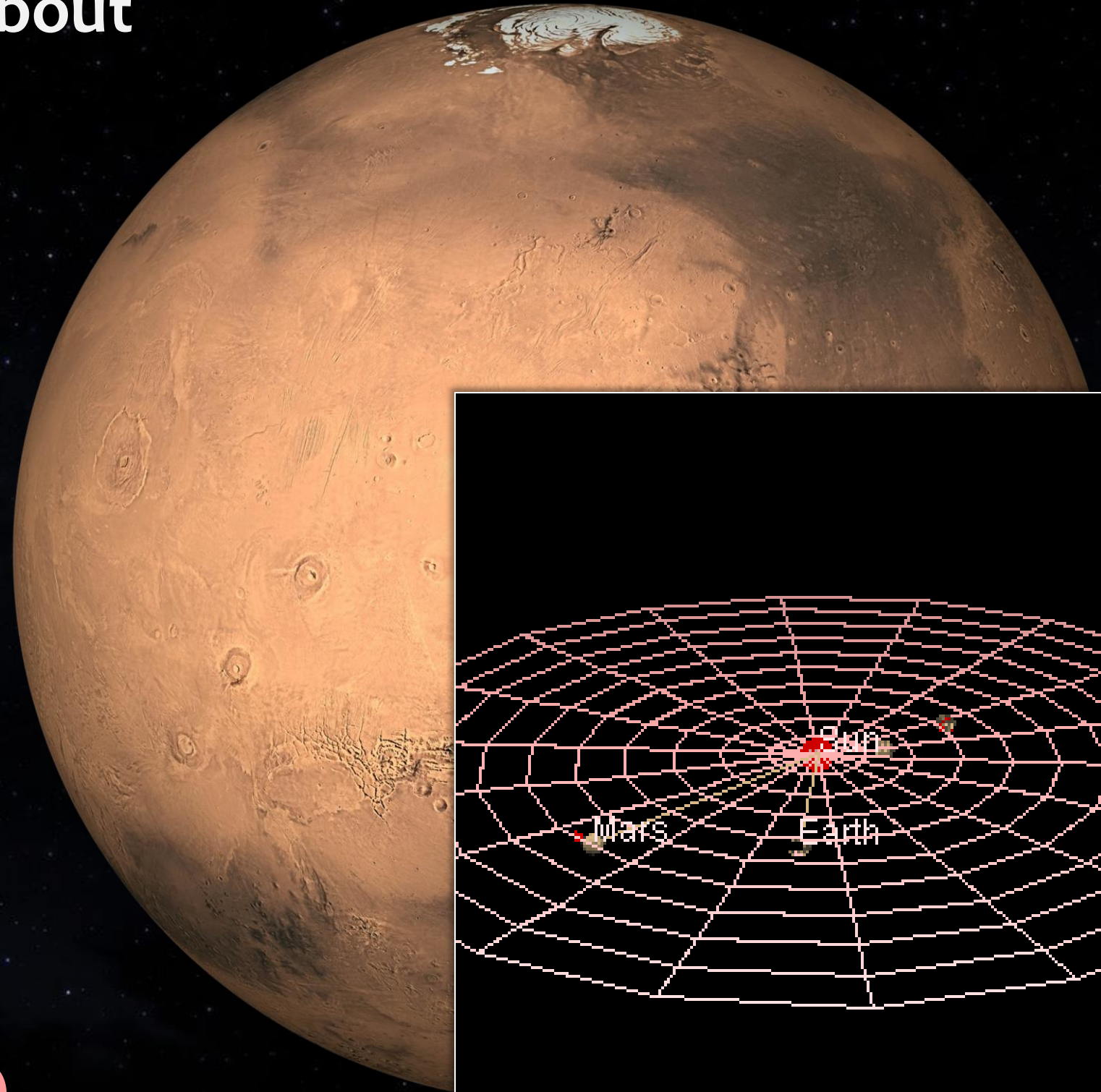
About $\frac{1}{2}$ the size of Earth and about $\frac{1}{3}$ of the gravity.

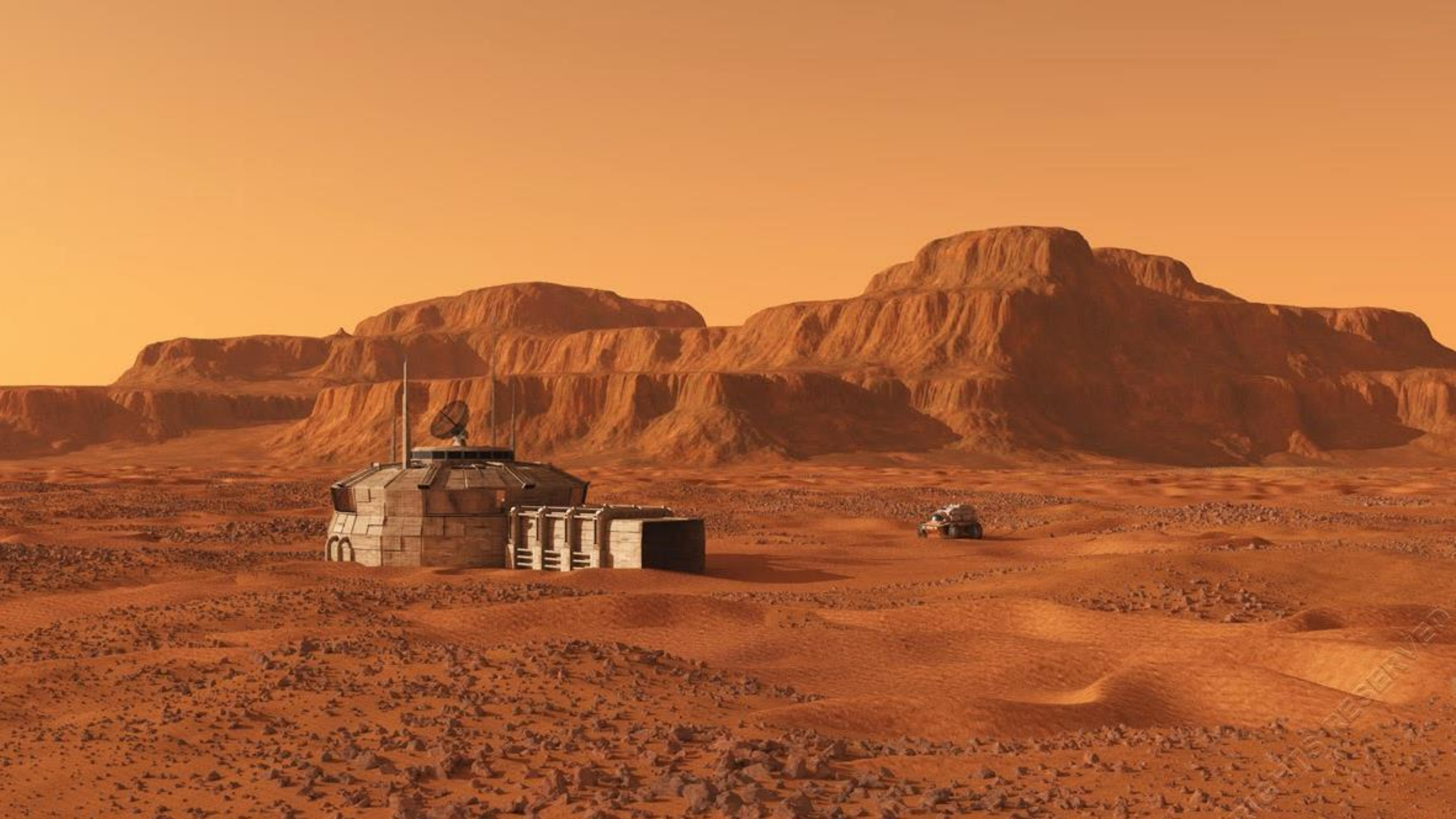
Average temperature -81°F

Atmosphere is 1% of Earth's, made of mostly CO_2 .

Water is present, although it is largely buried, salty, frozen, and undrinkable.

Surface is covered in iron oxide (rust) and silicon dioxide (sand).





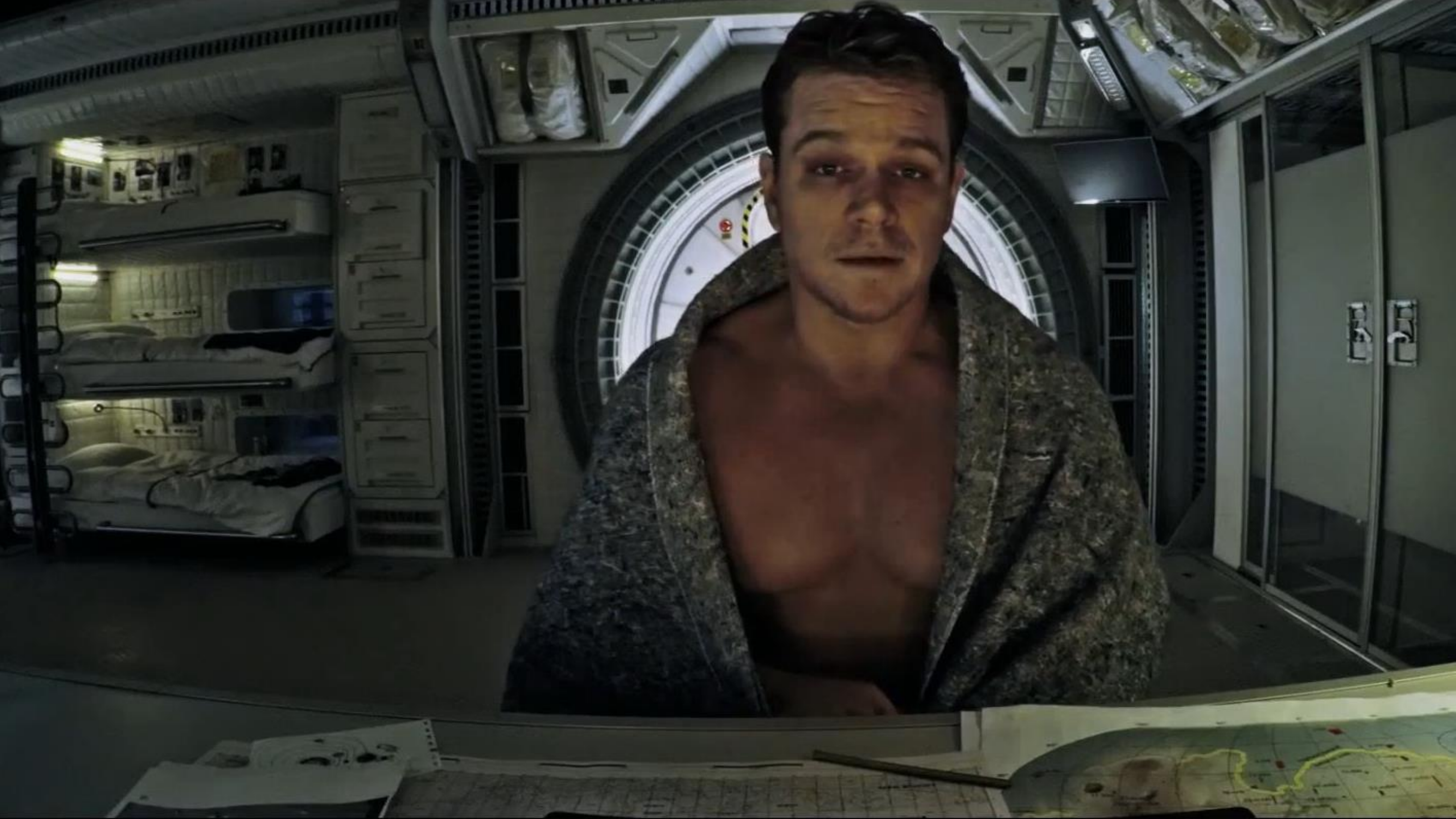




R2

7T31 - 424

10-1



What does he need to survive?

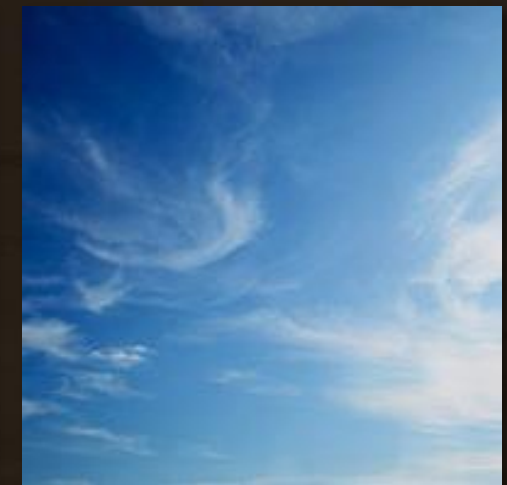
1. Water.



2. Oxygen.



3. Clean air.



4. Food.



Goal: You and your partner, two NASA chemists, must send Mr. Watney four lab procedures that explain how to...

1. Obtain safe drinking water.



2. Find a long-term source of oxygen.

3. Purify the breathable air.



4. Obtain food.

