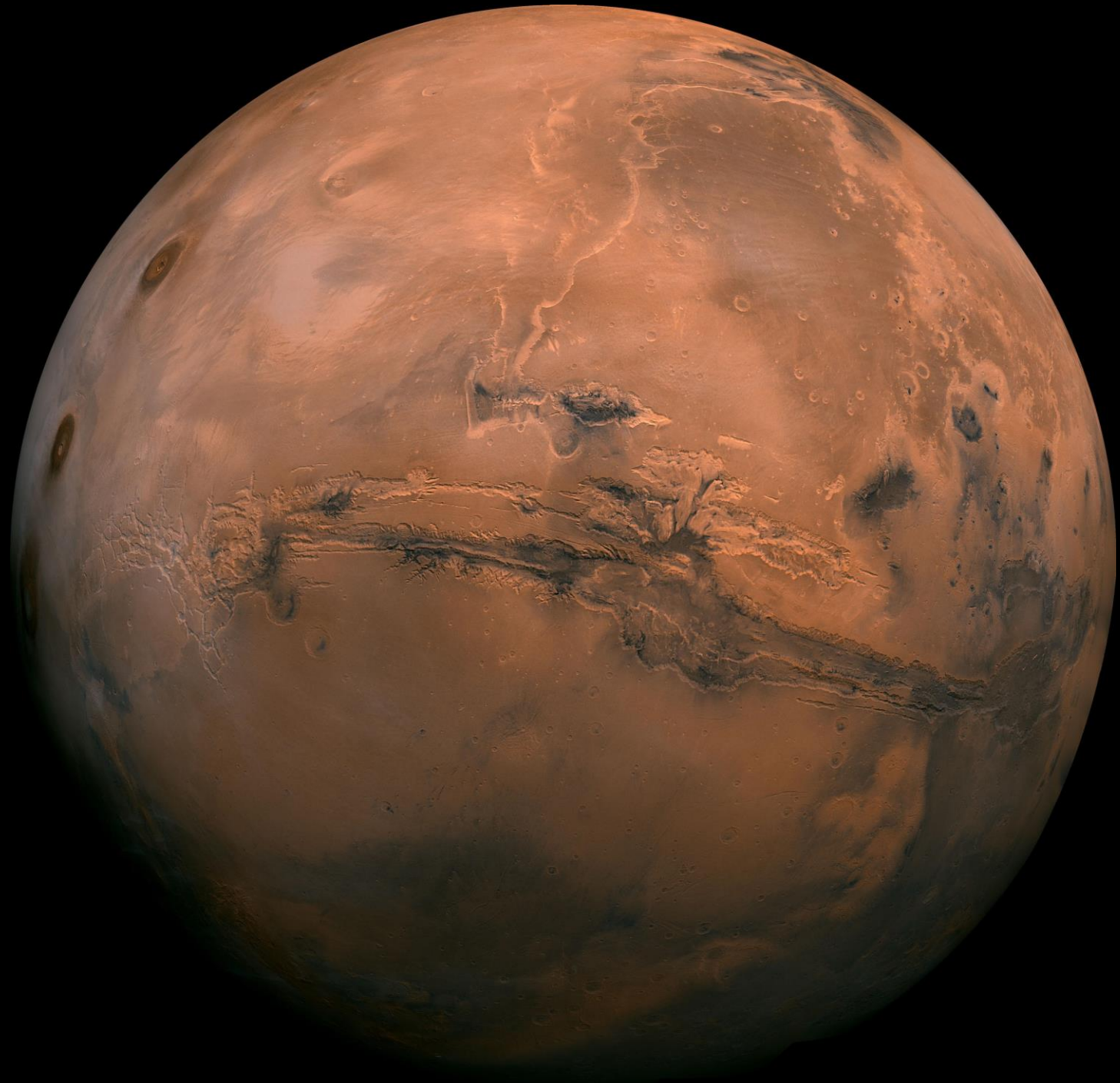




The Science of THE MARTIAN

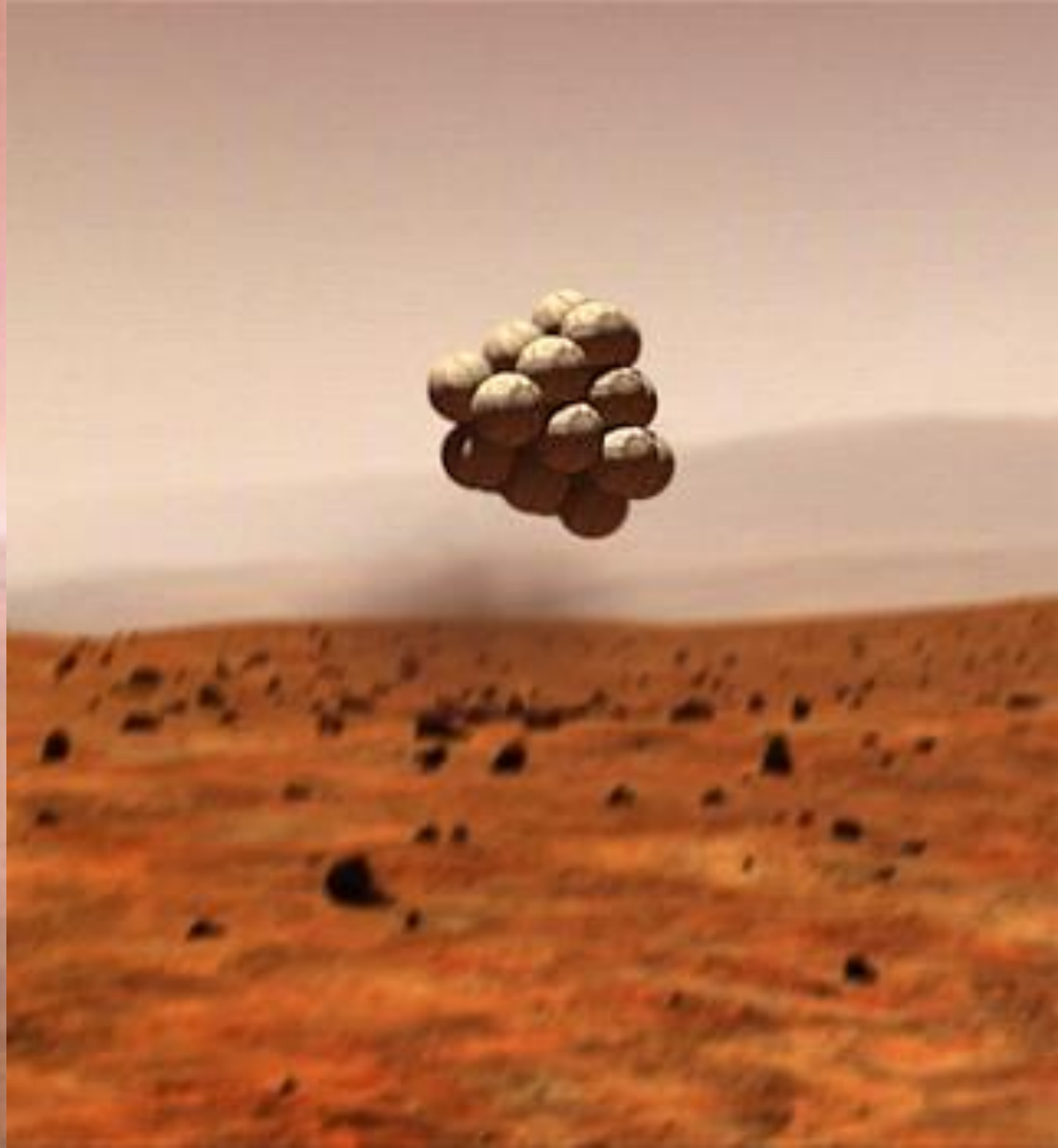
SPACE ACADEMY

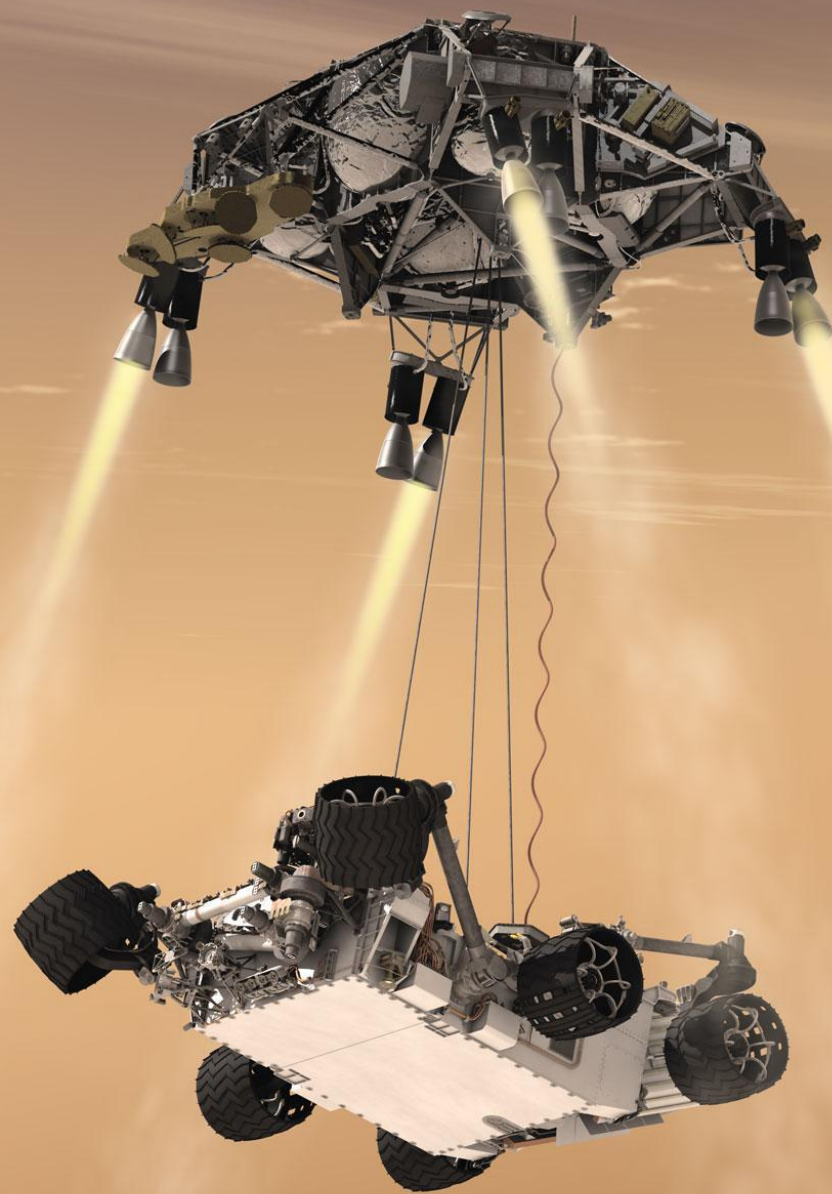


A wide-angle photograph of a Martian landscape. The terrain is a mix of reddish-brown soil and greyish rock formations. In the foreground, there are several dark, angular rocks scattered across the sandy ground. The middle ground shows more complex geological features, including layered rock walls and a small, dark crater. The background consists of rolling, low mountains under a hazy, orange-tinted sky. A small, bright, circular object, likely the sun or a planet, is visible in the upper right portion of the sky. The word "LANDING" is superimposed in the center of the image in a large, bold, white, sans-serif font.

LANDING









A wide-angle photograph of a Martian landscape, showing a vast, flat, reddish-orange desert floor with scattered dark rocks and small hills in the distance. The sky is a uniform orange-brown color, and a small, bright white circle, likely the sun or moon, is visible in the upper right portion of the sky. The word "POWER" is overlaid in large, white, sans-serif capital letters across the center of the image.

POWER

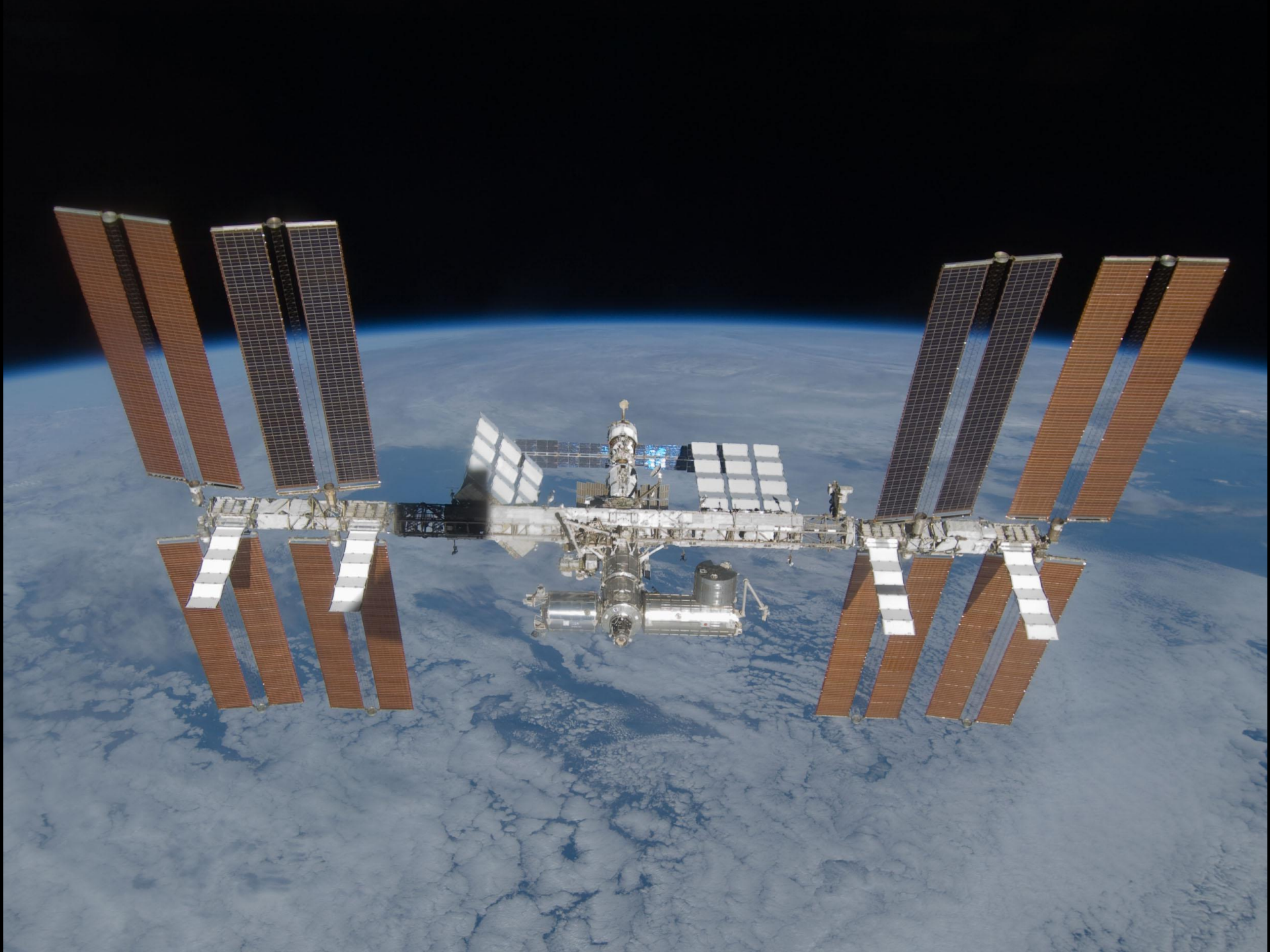


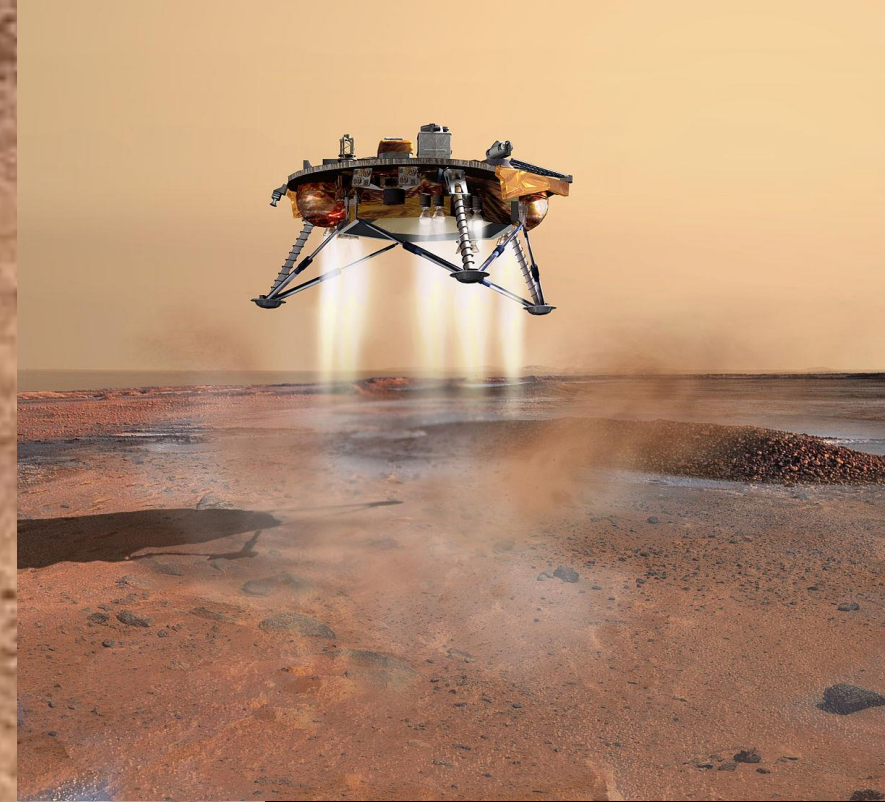


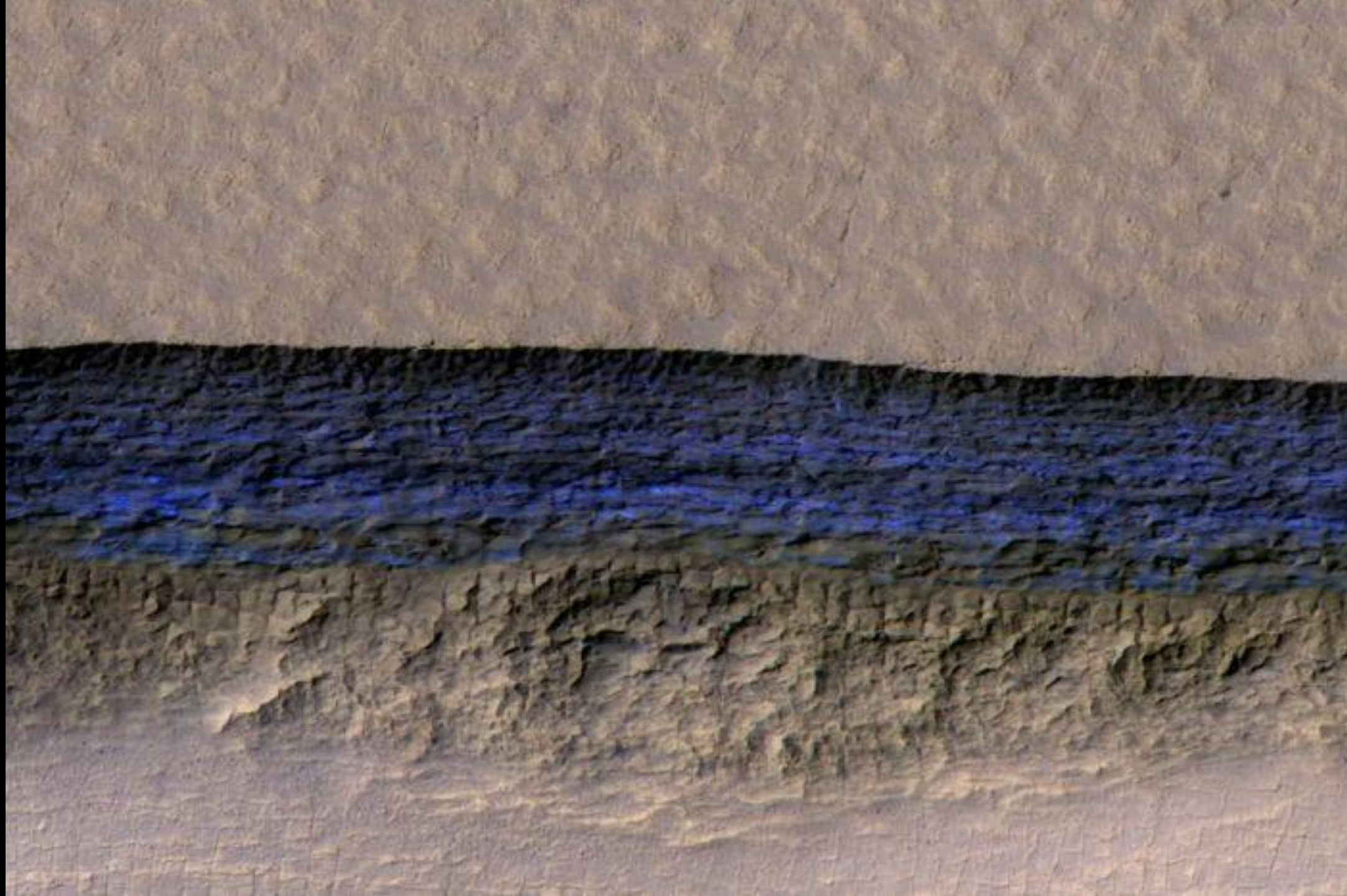


A wide-angle photograph of a Martian landscape, showing a vast, flat, reddish-orange desert floor with scattered dark rocks and small craters. In the distance, low, rolling hills are visible under a hazy, orange-tinted sky. A small, bright, circular object, likely the sun or a planet, is visible in the upper right portion of the sky. The word "WATER" is overlaid in large, white, sans-serif capital letters across the center of the image.

WATER







A wide-angle photograph of a barren, rocky landscape under a hazy, orange sky. The terrain is covered in reddish-brown soil and scattered dark rocks. In the distance, low, rolling hills are visible. A small, bright white circle, likely the sun or moon, is positioned in the upper right portion of the sky. The word "FOOD" is overlaid in the center of the image in a large, white, sans-serif font.

FOOD





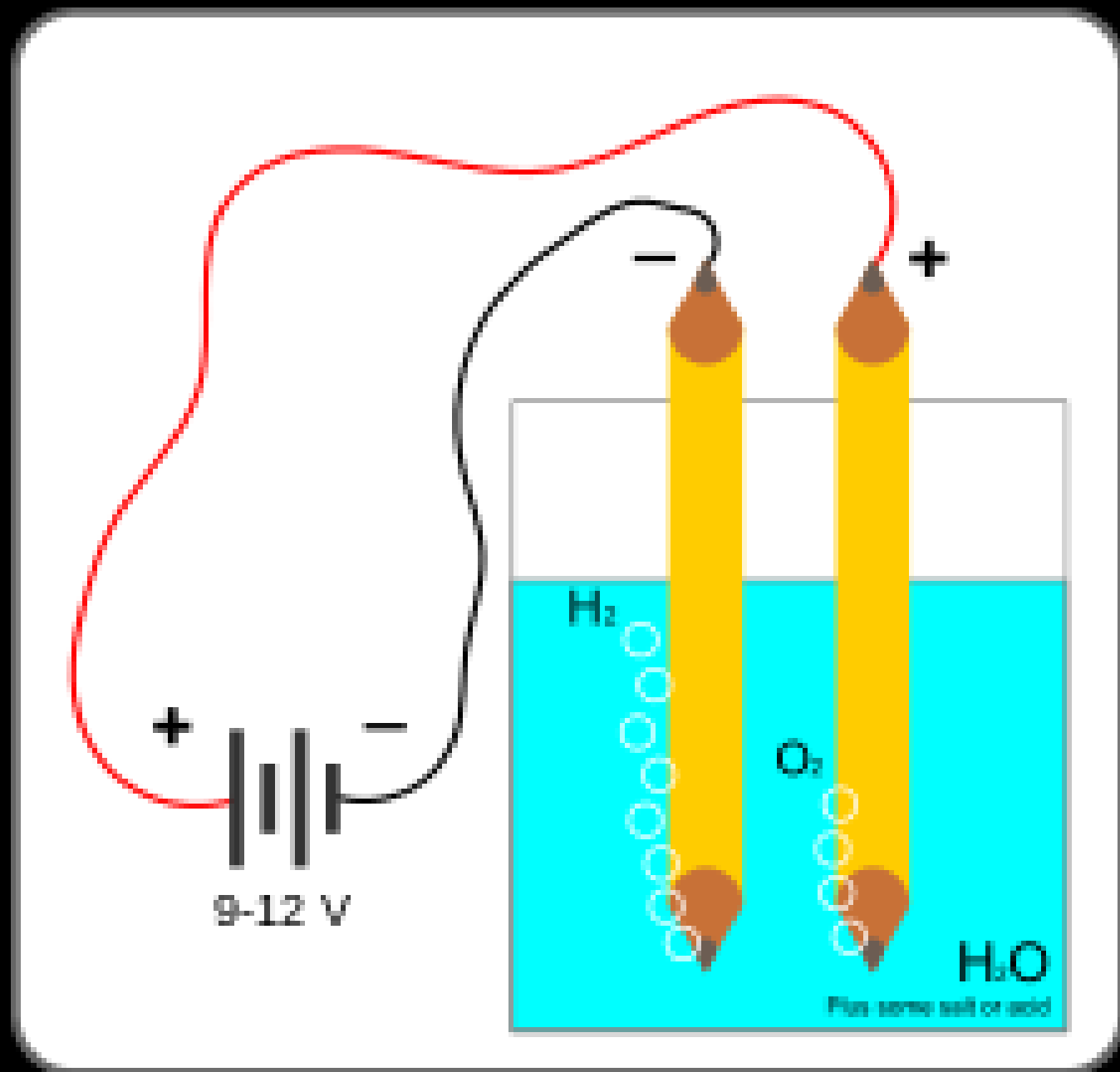


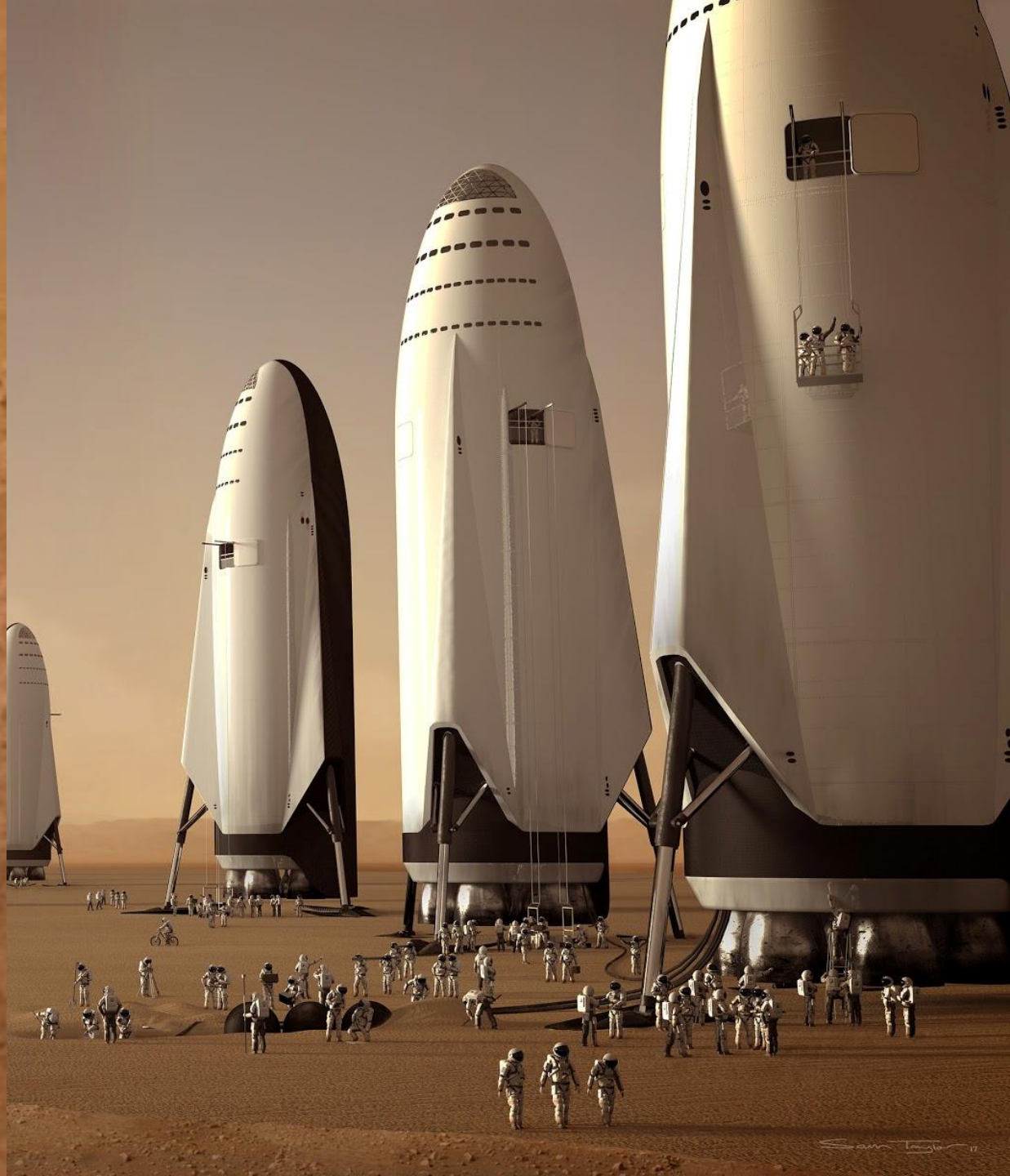
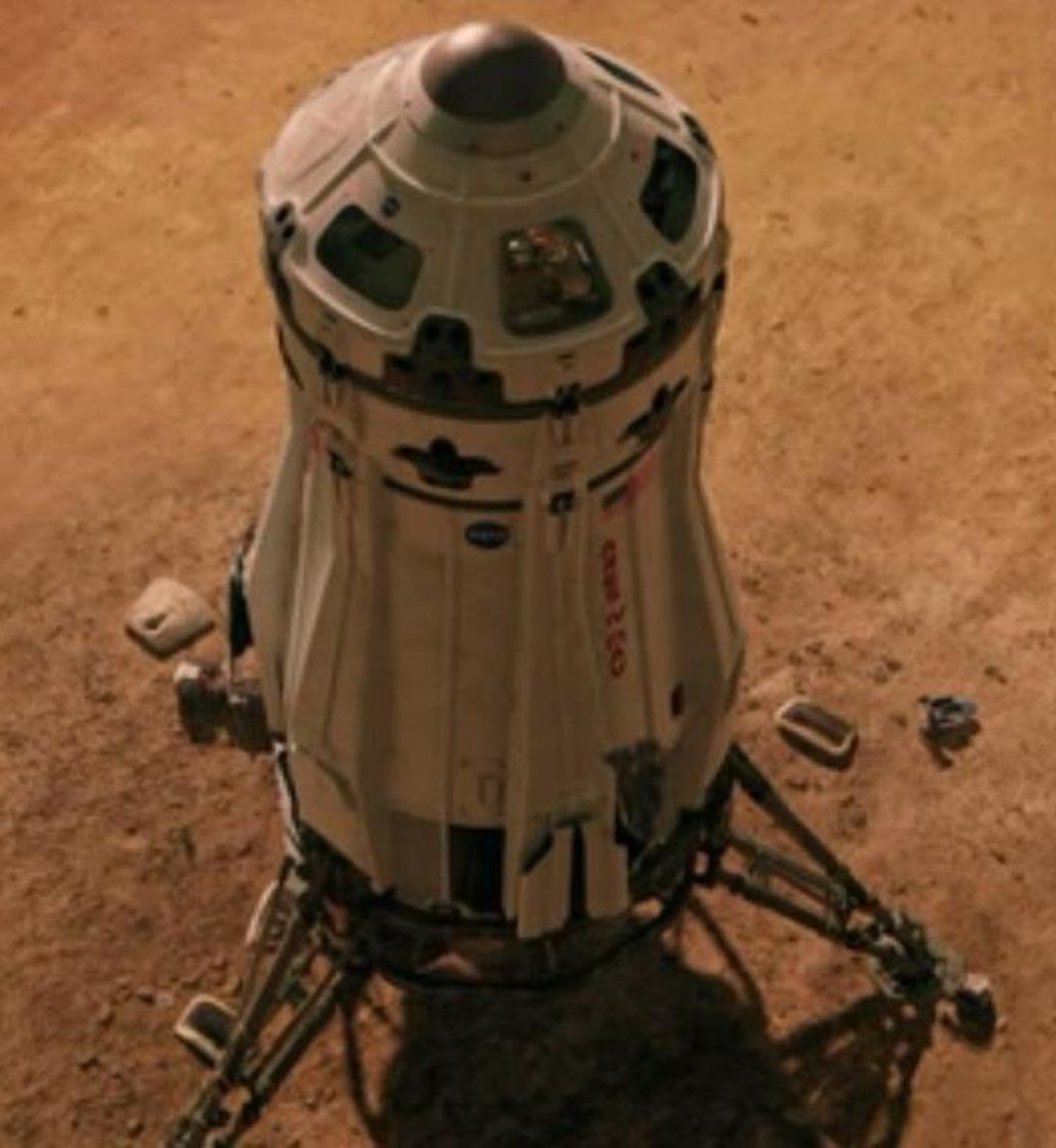
AIR



A wide-angle photograph of a Martian landscape, showing a vast, flat, reddish-orange desert floor with scattered dark rocks and small craters. In the distance, low, rolling hills are visible under a hazy, orange-tinted sky. A small, bright white circle, likely the sun or moon, is positioned in the upper right portion of the sky. The word "FUEL" is superimposed in the center of the image in a large, white, sans-serif font.

FUEL





A wide-angle photograph of a Martian landscape. The foreground is a sandy, reddish-brown plain with scattered dark rocks. In the middle ground, there are several large, flat, light-colored rock formations or plateaus. The background shows a hazy, orange-brown sky with a small, bright white circle (the sun or moon) in the upper right. The word "HOME" is overlaid in large, white, sans-serif capital letters across the center of the image.

HOME



The diagram shows a rocket launch from the Earth's surface. A red dotted line represents the ascent path, starting from the launch point and curving upwards. A solid teal line represents the orbital path, which is a horizontal arc above the Earth's horizon. The rocket is shown as a small white object at the start of the red dotted line. The background is a blue sky with a view of the Earth's horizon and clouds.

Orbit

Rocket is launched
from here