

ROBOT WORLD

ROBOTS IN SPACE



pogo

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CHAPTER 1

WHAT DO THEY DO?

Have you ever wanted to visit Mars? Explore the moon? It sounds exciting. But it is also very dangerous. There's no air for us to breathe. Food and water are nowhere to be found.



But robots don't need air. They don't need food or water. They just need a source of power and a set of instructions.





Robonaut



Space robots orbit Earth. They work inside the **International Space Station**. They explore other planets. Some space robots serve as human **helpers**. Others do things that **people** can't—at least **not right** now.

DID YOU KNOW?

Robots work off of **programs**. A program is a set of directions. It tells a robot what to do in great detail. It leaves no room for error.

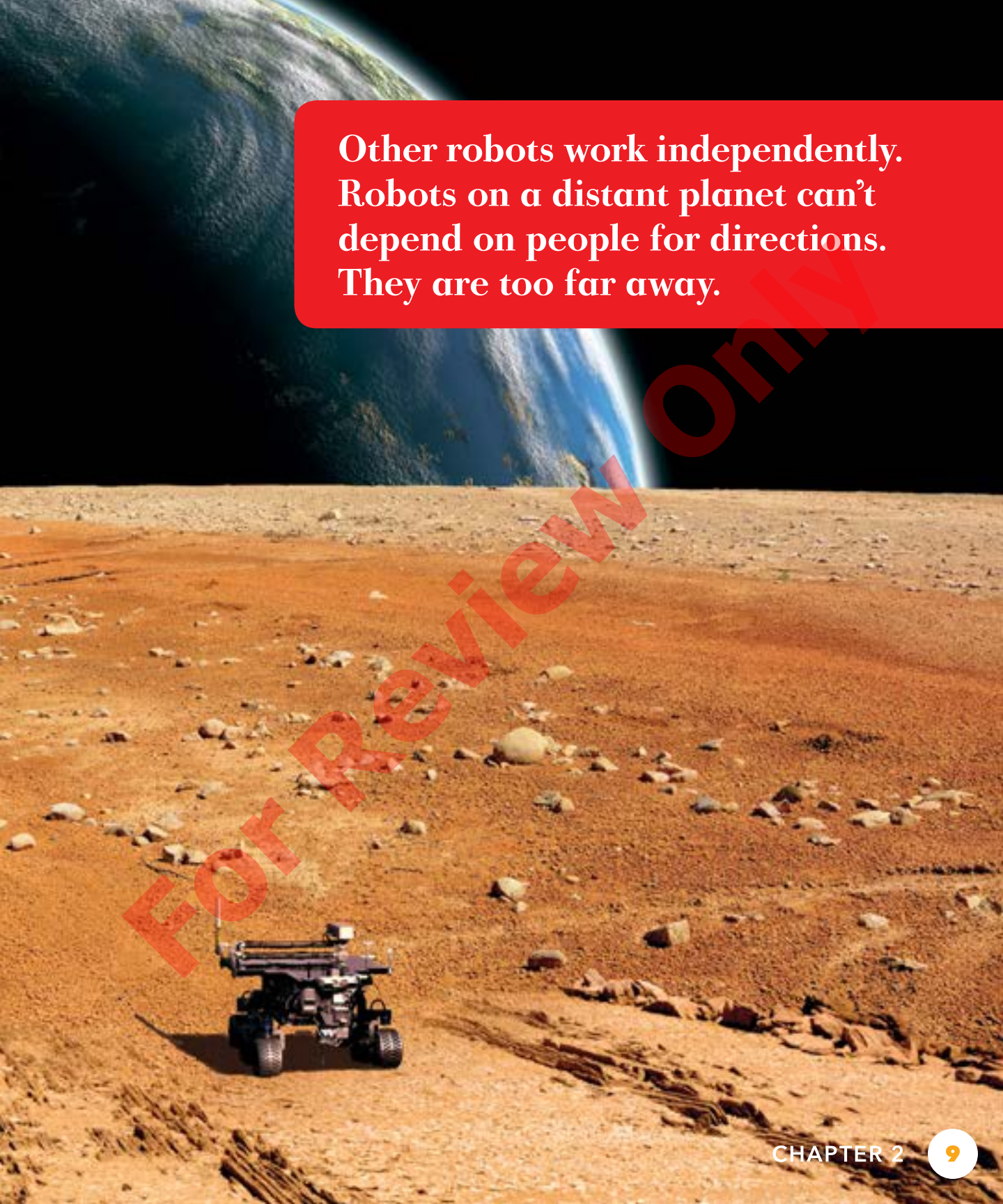
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CHAPTER 2

HOW DO THEY WORK?

Robots that work as human helpers are often remote controlled.



A photograph of a Mars rover on the surface of Mars. The rover is a small, six-wheeled vehicle with a camera mast and various instruments. It is positioned on the reddish-brown, rocky terrain of Mars. In the background, the horizon of Mars is visible, and above it, the curved edge of the Earth is seen against the blackness of space. The Earth shows blue oceans and white clouds. A large, semi-transparent red banner with white text is overlaid on the upper right portion of the image. A large, diagonal watermark reading "For Review Only" is also present across the center of the image.

**Other robots work independently.
Robots on a distant planet can't
depend on people for directions.
They are too far away.**