

AI WORLD AI IN SPACE




pogo

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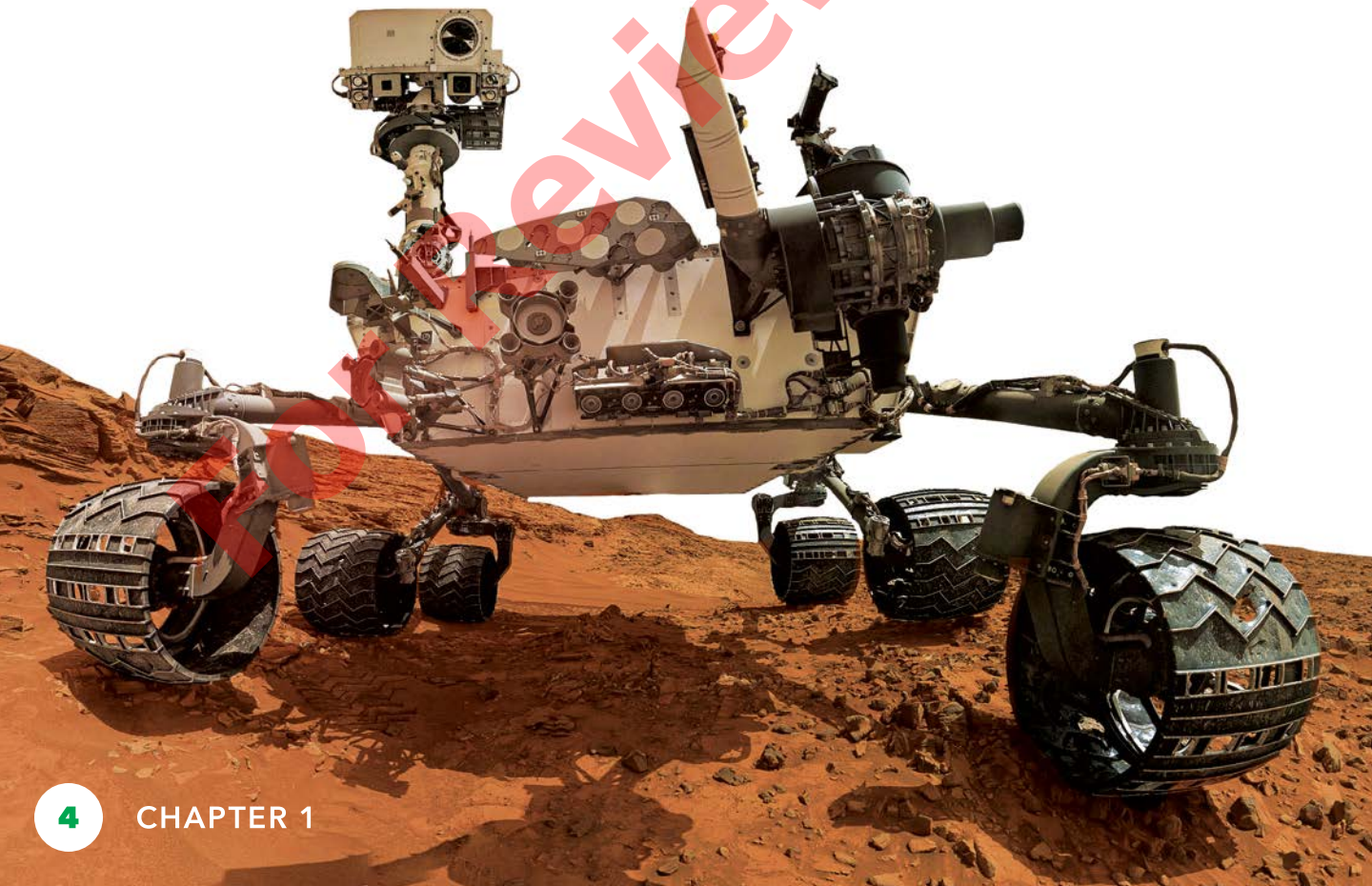
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CHAPTER 1

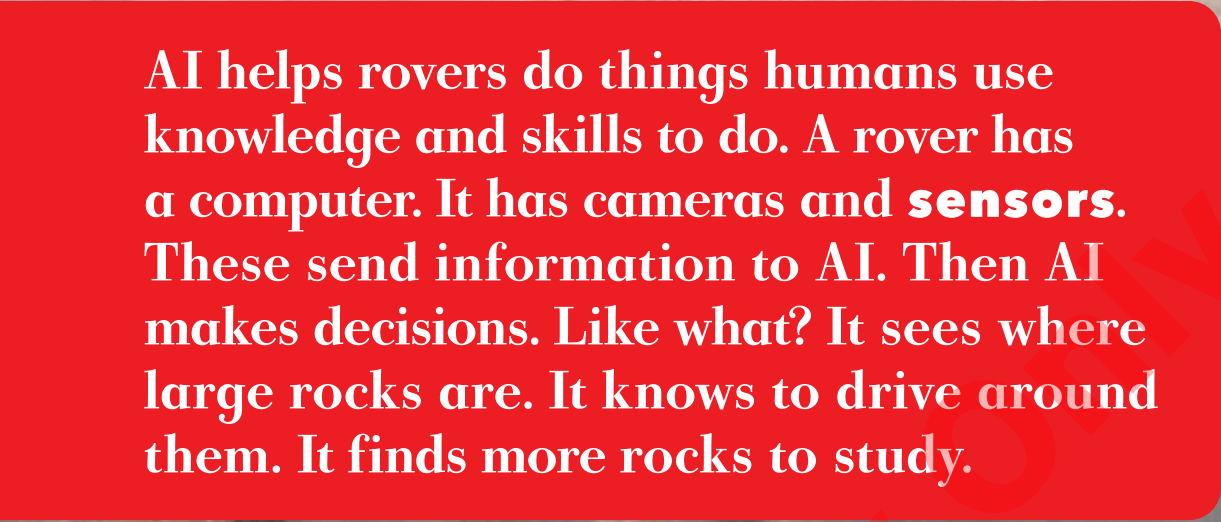
AI IN ROVERS

A **rover** drives on Mars. This **robot** studies the planet. Why? It helps us learn more about it!



The rover stops. It points a **laser** at a rock. It melts part of the rock. The rover studies what it is made of. How? It uses **artificial intelligence (AI)**!

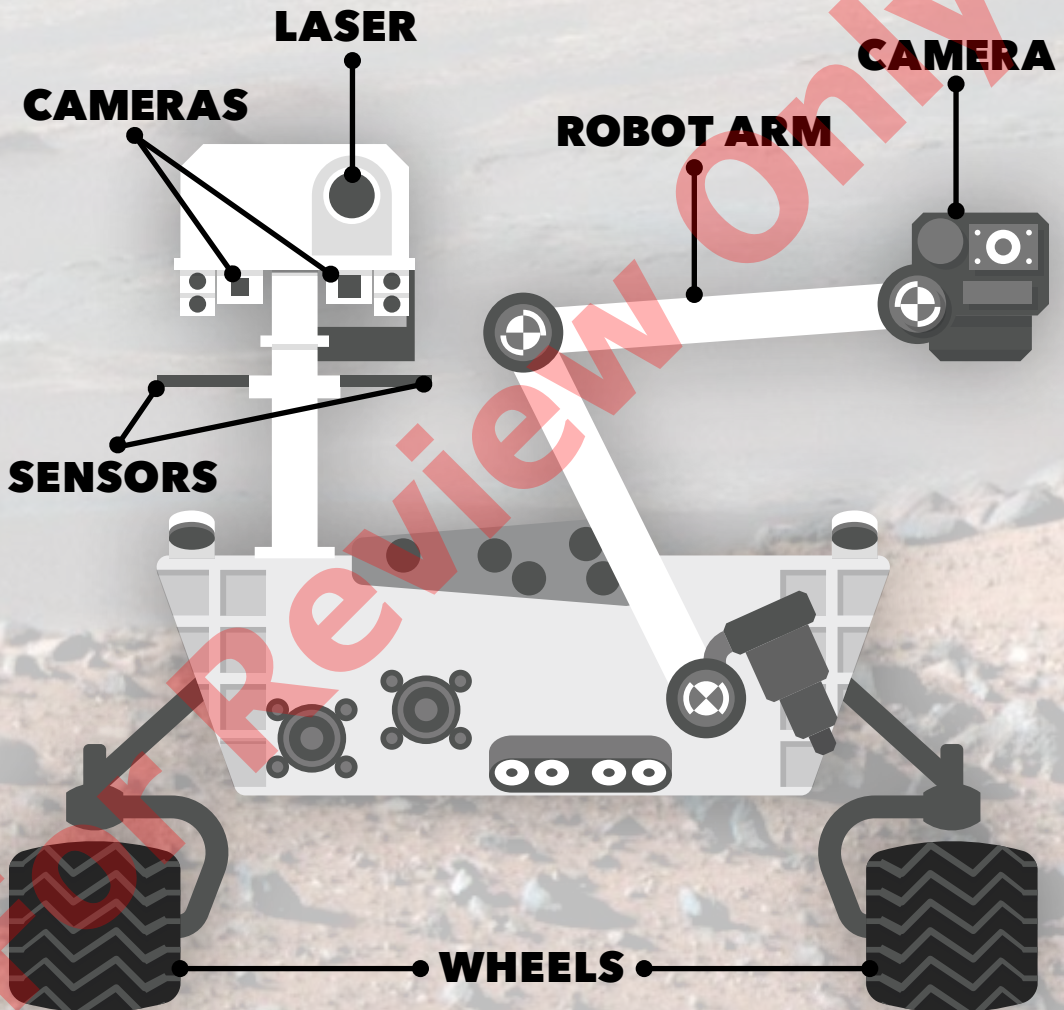




AI helps rovers do things humans use knowledge and skills to do. A rover has a computer. It has cameras and **sensors**. These send information to AI. Then AI makes decisions. Like what? It sees where large rocks are. It knows to drive around them. It finds more rocks to study.

TAKE A LOOK!

What are the parts of a rover? Take a look!



Rocks tell scientists what the land used to be like. They show that Mars once had lakes. Water is needed for life! Was there life on Mars? Could living things be there now? Scientists are trying to find out.

Outer space is huge. Scientists use machines to gather **data**. AI studies it. It helps scientists learn about our universe.

DID YOU KNOW?

As of 2024, humans had never been to Mars. Scientists send rovers instead. Why? It is safer. We need to learn more about the planet before sending people.





ACTIVITIES & TOOLS

TRY THIS!

BLAST AN ASTEROID

How could you keep an asteroid from hitting Earth? Find out with this fun activity!

What You Need:

- 1 friend
- 2 ping-pong balls
- chalk

- 1 Go outside.
- 2 Draw a large circle with chalk. This circle is Earth.
- 3 One ball is the asteroid. Have your friend toss the ball toward the circle.
- 4 Using the other ball, try to hit the asteroid so it does not hit Earth.
- 5 Take turns. Try standing in different places. Throw the balls in different ways. Does anything make it harder to knock the asteroid away? Does anything make it easier? How is this similar or different to real asteroids?

