

AI WORLD AI AT HOME



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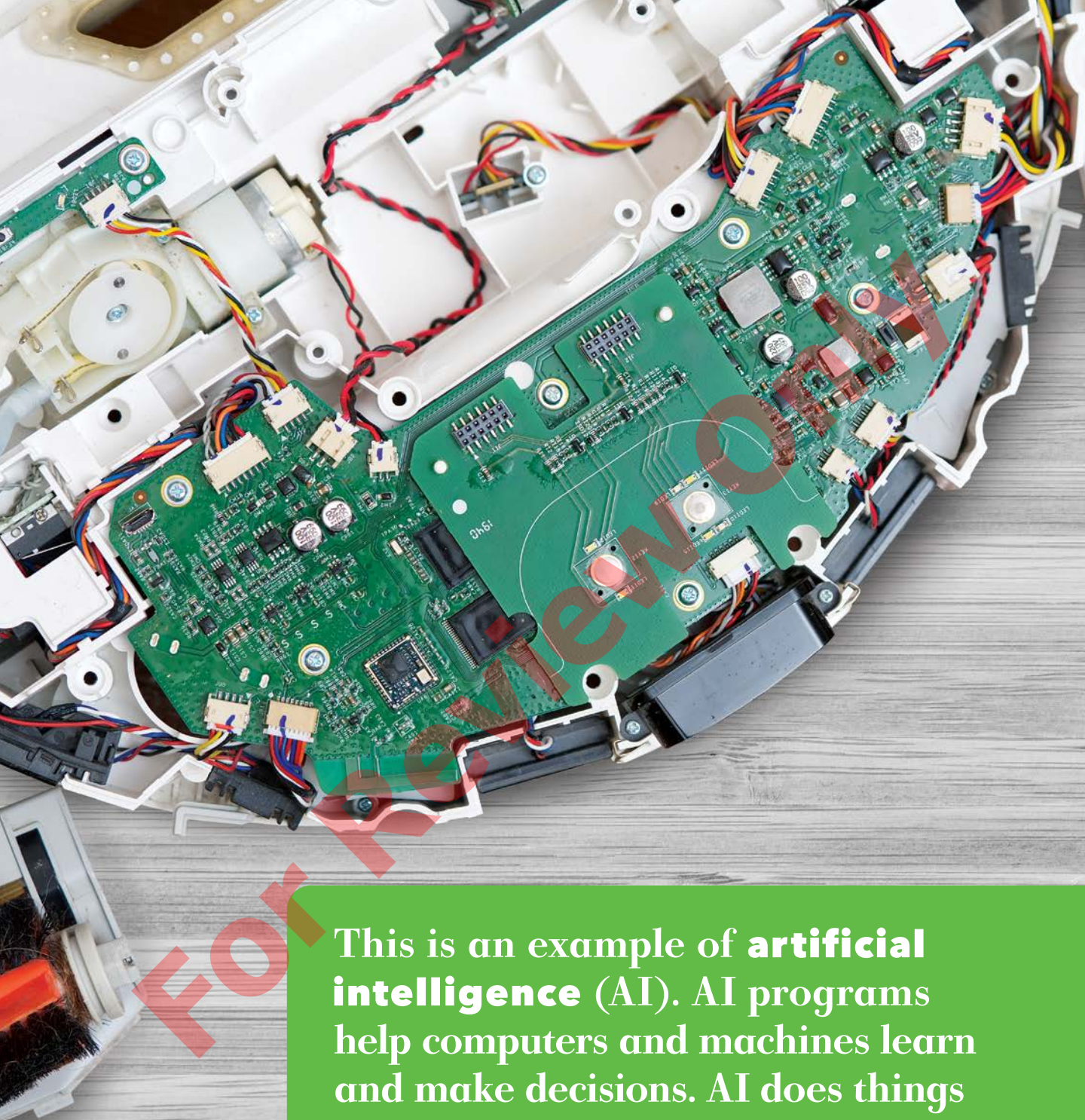
CHAPTER 1

WHAT IS AI?

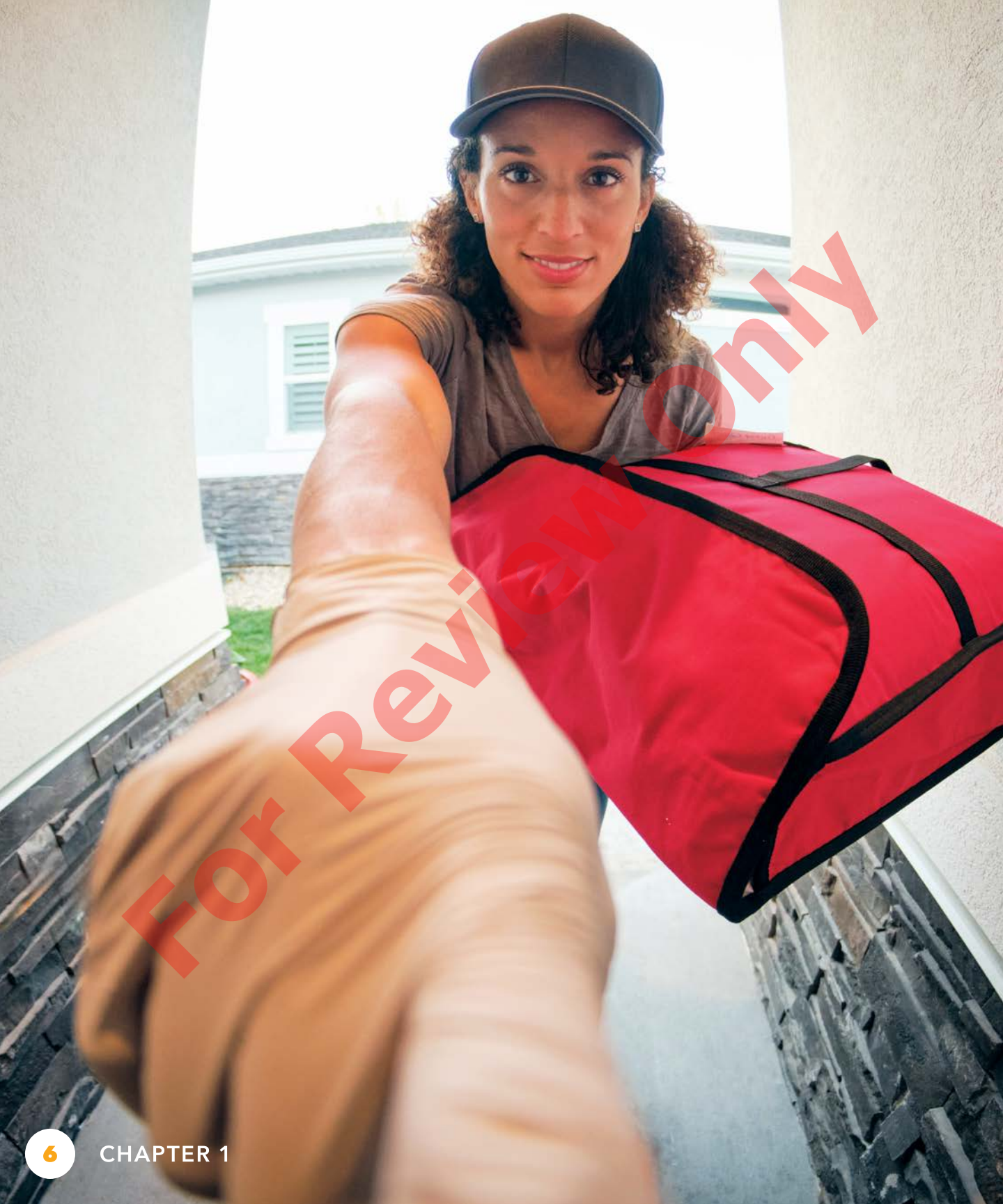
A **robot** vacuum cleans the floor. It has **sensors**. It notices a couch leg in its way. It moves around it. It remembers where the couch is for next time!

robot vacuum





This is an example of **artificial intelligence** (AI). AI programs help computers and machines learn and make decisions. AI does things humans use knowledge to do.





We can use AI in many ways at home. Like what? Smart **appliances** use AI to help us cook. Smart cameras recognize faces at your front door. Smart **devices** make our lives easier!

DID YOU KNOW?

Many smart devices use **Wi-Fi**. Why? This connects them to the internet. They get information for you. Ask a smart speaker when your favorite TV star was born. It looks it up online. It tells you!

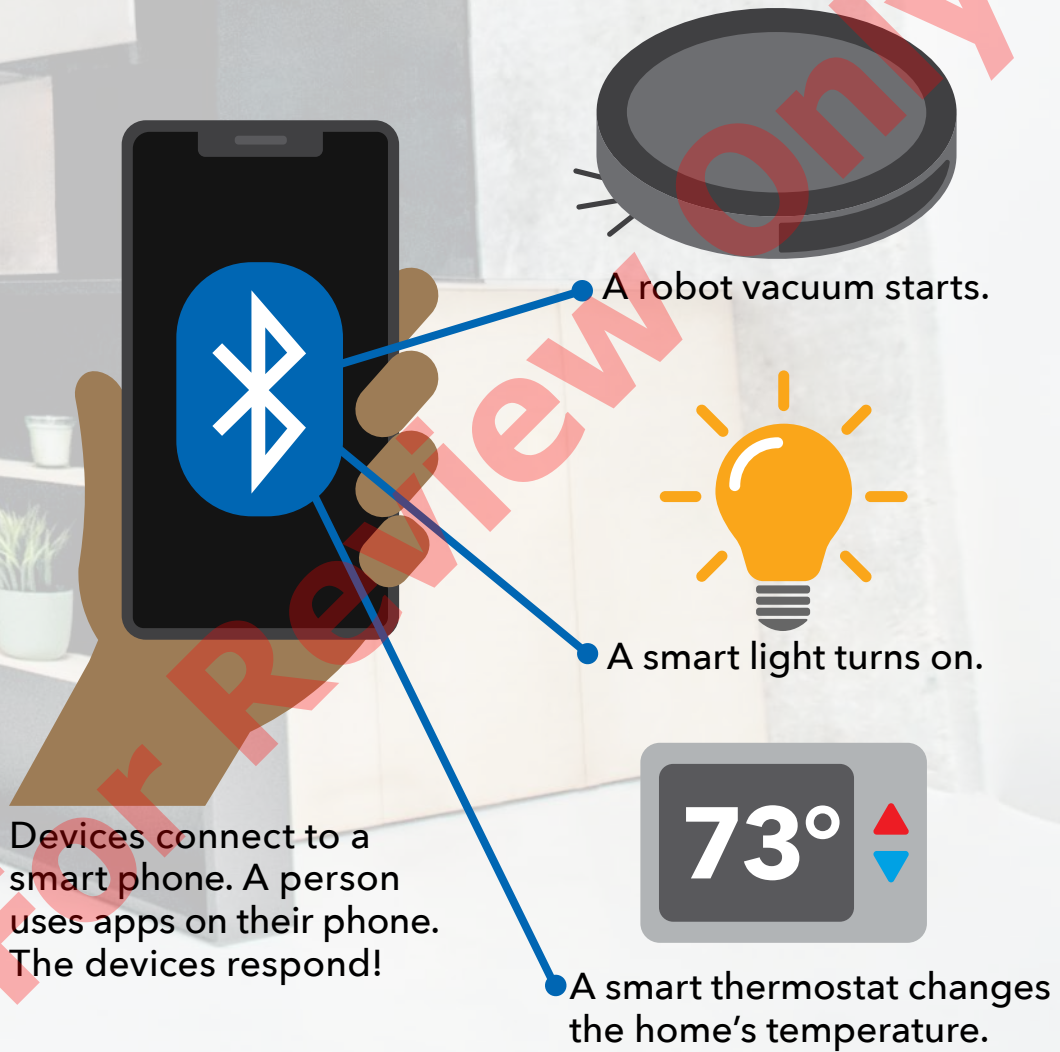


Smart devices communicate. How? They connect to each other using **Bluetooth**. A smart phone or speaker sends commands to other smart devices. For example, you can use a phone app to tell a robot vacuum to start.



TAKE A LOOK!

How do devices connect in a smart home? Take a look!



ACTIVITIES & TOOLS

TRY THIS!

CREATE NEW AI TECHNOLOGY

How would AI be useful in your home?
Come up with new ideas with this fun activity!

What You Need:

- paper and pencil or a device for taking notes



- 1 Look around your home. Does your family have devices or appliances that use AI? Make a list of them.
- 2 Make a list of family chores. Does a smart device or appliance help with any of them?
- 3 Choose one chore that does not use AI. Think about how AI could make that chore easier or faster.
- 4 Create new AI. Is it an appliance, a robot, or another device? What does your technology do? Write down your ideas. Share them with a friend or family member.