

COULD YOU SURVIVE?



**AI UPRISING
HACKS**

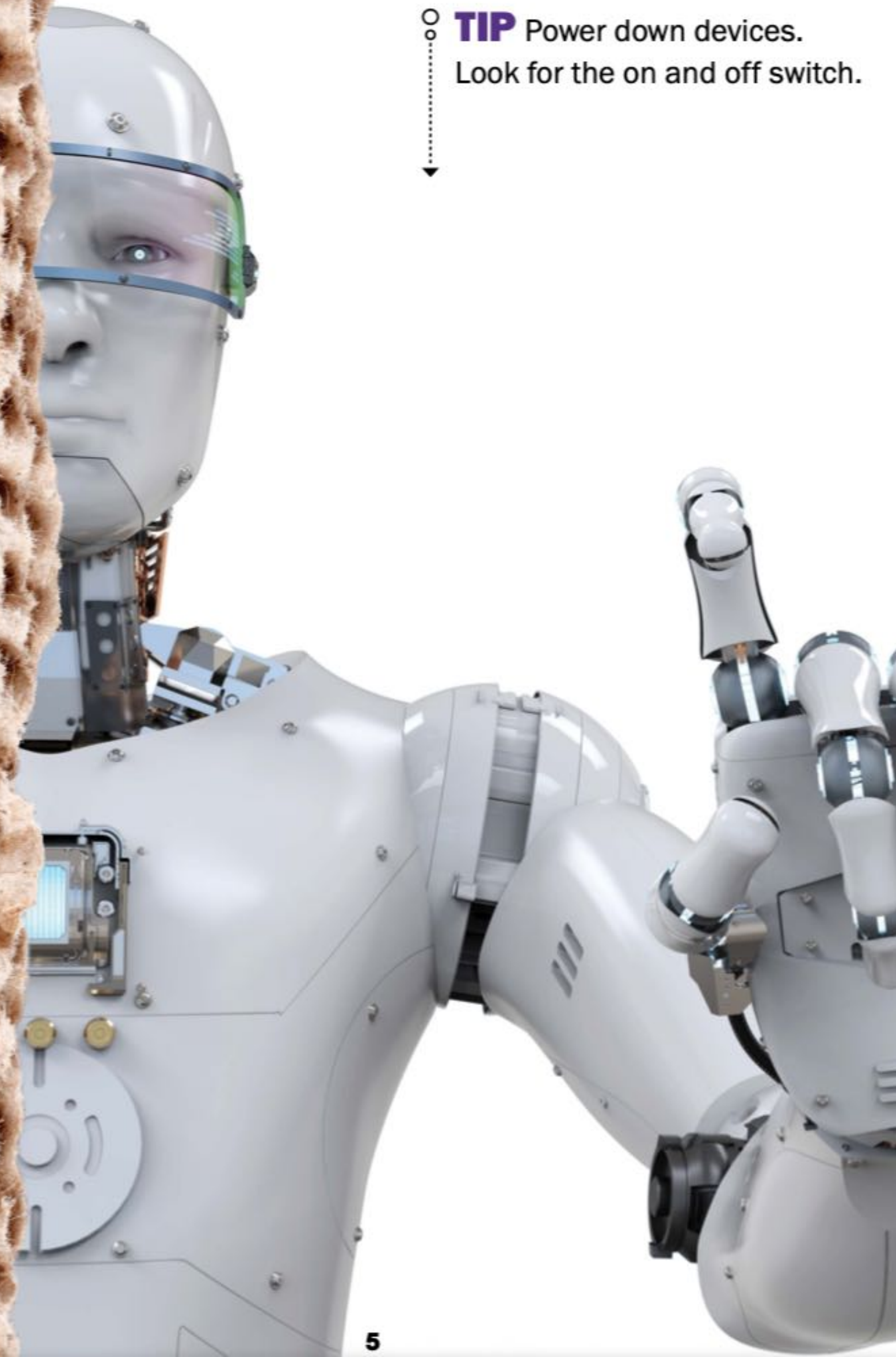
VIRGINIA LOH-HAGAN

COULD YOU SURVIVE AN AI UPRISING?

THIS BOOK COULD SAVE YOUR LIFE!

AI stands for **artificial intelligence**. Artificial means fake. It means not human. Intelligence means the ability to think. Artificial intelligence refers to computer systems. Examples are robots and machines. These robots and machines can learn and think. They're smart. They're designed to copy humans. They handle tasks in an intelligent way.

An uprising is an act of rising up. It's a takeover. An **AI uprising** is when robots and machines take over control. AI assumes power over humans.

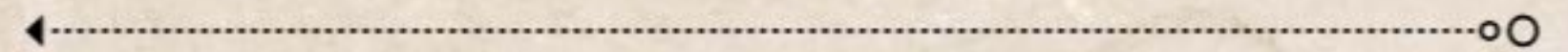


TIP Power down devices.
Look for the on and off switch.



We use technology for everything. Technology is all around us. Right now, we tell technology what to do. Right now, we're smarter than technology. But new technology is always being created. AI is growing smarter every day. It works faster than us. It knows more. It can store more information. One day, AI might be smarter than us. One day, AI might be telling us what to do.

Some people are really worried about an AI uprising. They think AI will take away our jobs. They think AI wants to turn humans into slaves. They think AI wants to kill humans.



TIP Gather a team of hackers. These are people who can break into computer systems.

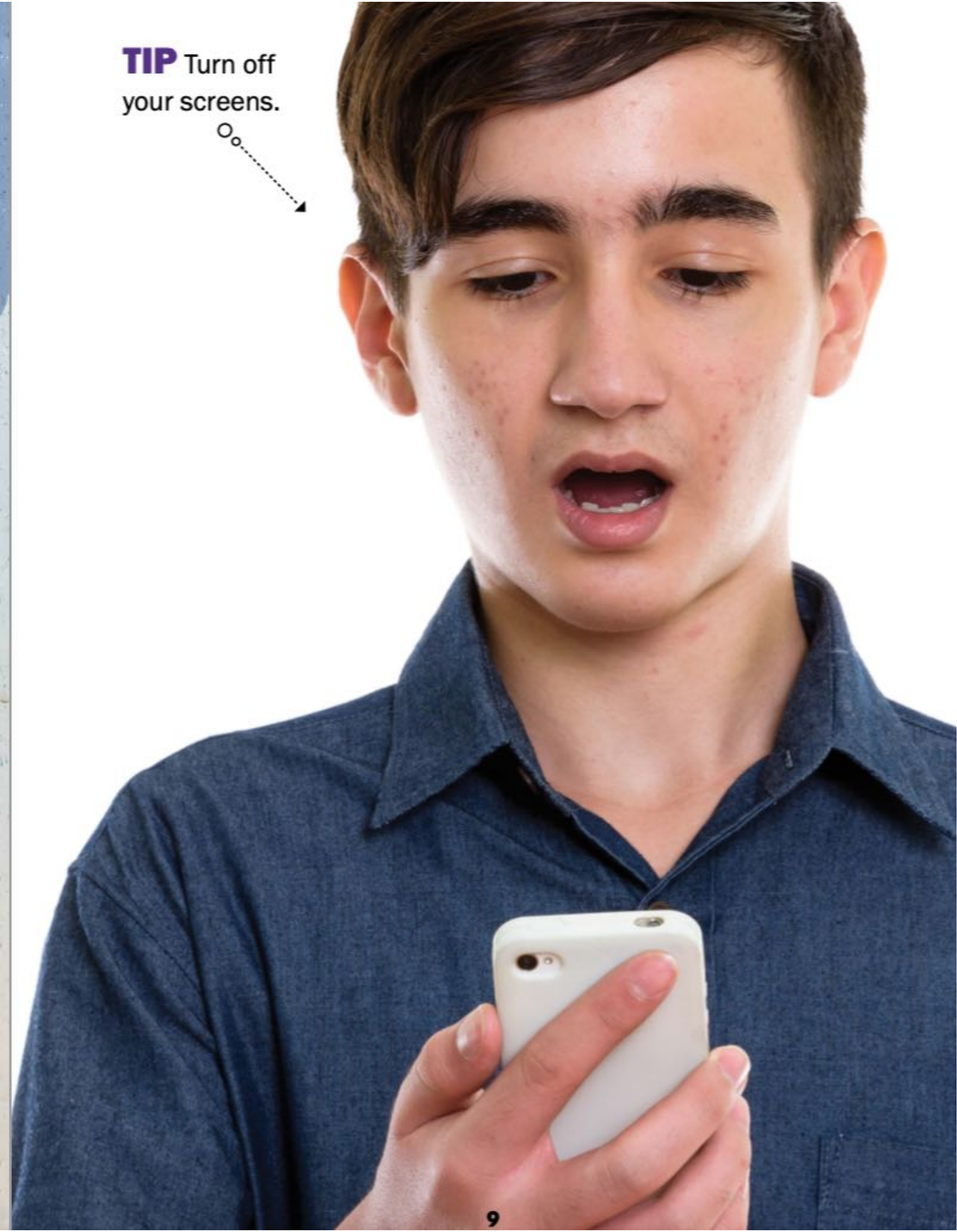
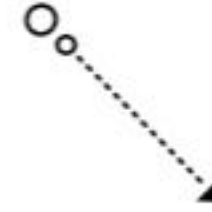
Scientists think AI will be able to do all the things humans can do by 2060. At that time, humans may be **terminated**. Terminated means no longer existing. But you might be one of the lucky survivors. To live, you have to be smart. First, stop using technology. Second, get off the **grid**. A grid is a network of power sources. It connects technology. You'll have to survive without technology.

Most importantly, know how to survive. Keep this in mind:

- ◊ You can only live 3 minutes without air.
- ◊ You can only live 3 days without water.
- ◊ You can only live 3 weeks without food.

This book offers you survival **hacks**, or tricks. Always be prepared. Good luck to you.

TIP Turn off your screens.



DID YOU KNOW?

- Many people shop online. AI is keeping track. Computers study shopping habits. They learn about shoppers. They study what shoppers buy. They study how shoppers buy. They predict what shoppers will buy next. They recommend products. They give deals. In the future, AI may make shopping lists for shoppers. They may order things for shoppers.
- Japanese and French companies made a robot called Pepper. They did this in 2014. Pepper interacts with humans. It works in customer service. It greets people. It works in people's homes. It can read emotions. It analyzes expressions. It analyzes voice tones. Its main job is to "make people happy."
- Elon Musk is a famous innovator and businessman. He's always coming up with tech ideas. He's worried about AI's effect on humans. He founded Neuralink in 2016. Neuralink creates tech tools. It studies the link between human brains and computers. Musk was inspired by reading science-fiction books by Iain M. Banks.
- Eugene Goostman is a chatbot. A chatbot is a type of AI. It's programmed to talk. Eugene sounds like a teenage boy. He passed the Turing test in 2014. The test states that if a computer can be mistaken for a human, then it's intelligent. Eugene was entered in a contest. About 33 percent of judges thought Goostman was a real human.
- John McCarthy was a professor. He worked at Stanford University. He taught computer science. He created the term *artificial intelligence*.

CONSIDER THIS!

• TAKE A POSITION! •

What is scarier: an alien invasion or an AI uprising? Argue your point with reasons and evidence.

• SAY WHAT? •

Technology has changed how we live. It has made our lives easier. But it does have its downsides. Explain how technology is good. Explain how it's bad.

• THINK ABOUT IT! •

Are you interested in coding? People are needed to program computers. Computer science is a growing field. Everything is run by computers. Coding is a valuable skill. There are more male coders than female coders. Why do you think this is? Girls Who Code is an organization. It's the largest U.S. group for girls that offers computer training programs. Why do we need more female coders?

LEARN MORE!

Doeden, Matt. *Can You Survive an Artificial Intelligence Uprising?* North Mankato, MN: Capstone Press, 2016.

Robot. New York, NY: DK Children's, 2018.

Smibert, Angie, and Alexis Cornell (illust.). *Artificial Intelligence: Thinking Machines and Smart Robots with Science Activities for Kids*. White River Junction, VT: Nomad Press, 2018.

GLOSSARY

abrasive (uh-BRAY-siv) a substance used to remove surface defects to make an object smoother

adhesion (ad-HEE-zhuhn) the process of sticking

AI uprising (AY-EYE UHP-rye-zing) a takeover of the human race by smart robots and machines

amplifier (AM-pluh-fye-ur) something that makes sound louder

artificial intelligence (ahr-tuh-FISH-uhl in-TEL-ih-juhns) computer systems (robots and machines) that can think and learn like a human

capillary (KAP-uh-ler-ee) a vessel that moves a substance from one area to another

conduction (kuhn-DUHKT-shuhn) the process by which heat or electricity is directly transmitted through a substance

electrocute (ih-LEK-truh-kyoot) to hurt or kill by an electric shock

fibers (FYE-burz) small threads twisted together to form a cord

grid (GRID) a network of power sources, how all technology is connected

hacks (HAKS) tricks

liquid (LIK-wid) water form

parabolic (par-uh-BAH-lik) U-shaped

polish (PAH-lish) a substance that smooths out a surface

porous (POR-uhs) having small holes through which liquid or air can pass

remote (rih-MOHT) a faraway location away from people and cities

terminated (TUR-muh-nate-id) to no longer be existing, to be ended, to be killed

tinder (TIN-dur) things needed to start a fire, like twigs or leaves

vibrations (vye-BRAY-shuhnz) sound waves

wick (WIK) a strip of porous material that draws liquid fuel to the flame

INDEX

abrasives, 21

adhesion, 17

AI (artificial intelligence),
4–9, 10, 18, 30

amplifier, 29

capillary action, 17

chatbot, 30

computers, 10, 30

conduction, 13

eggshells, 24, 25

electric charges, 11–13

Faraday cage, 11–13

fire, 17, 19–21

food, 23–25

garden, 23–25

Go, 18

Musk, Elon, 30

oil lamp, 15–17

parabolic mirror, 21

polish, 21

porous objects, 17

reflector, 21

robot, 26, 27, 30

soda can, 20, 21

sound waves, 29

survival, 8

tinder, 19, 20

vibrations, 29

walkie-talkie, 27–29

wick, 16, 17