

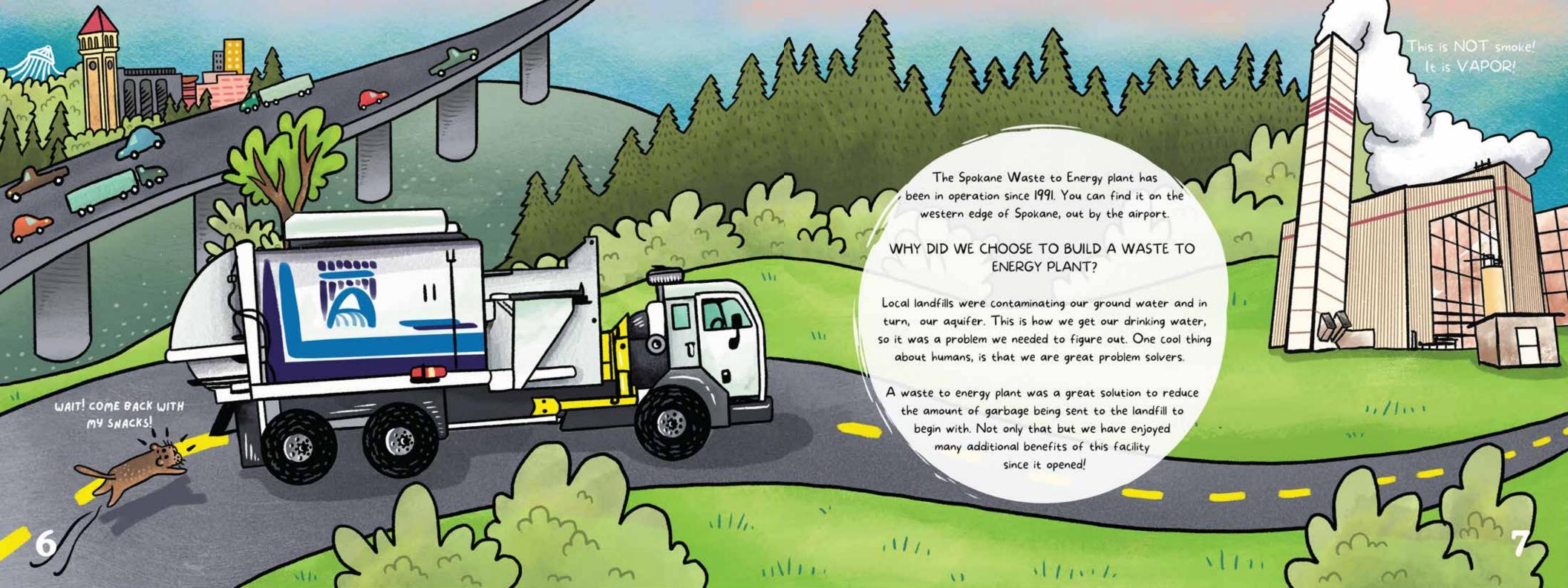


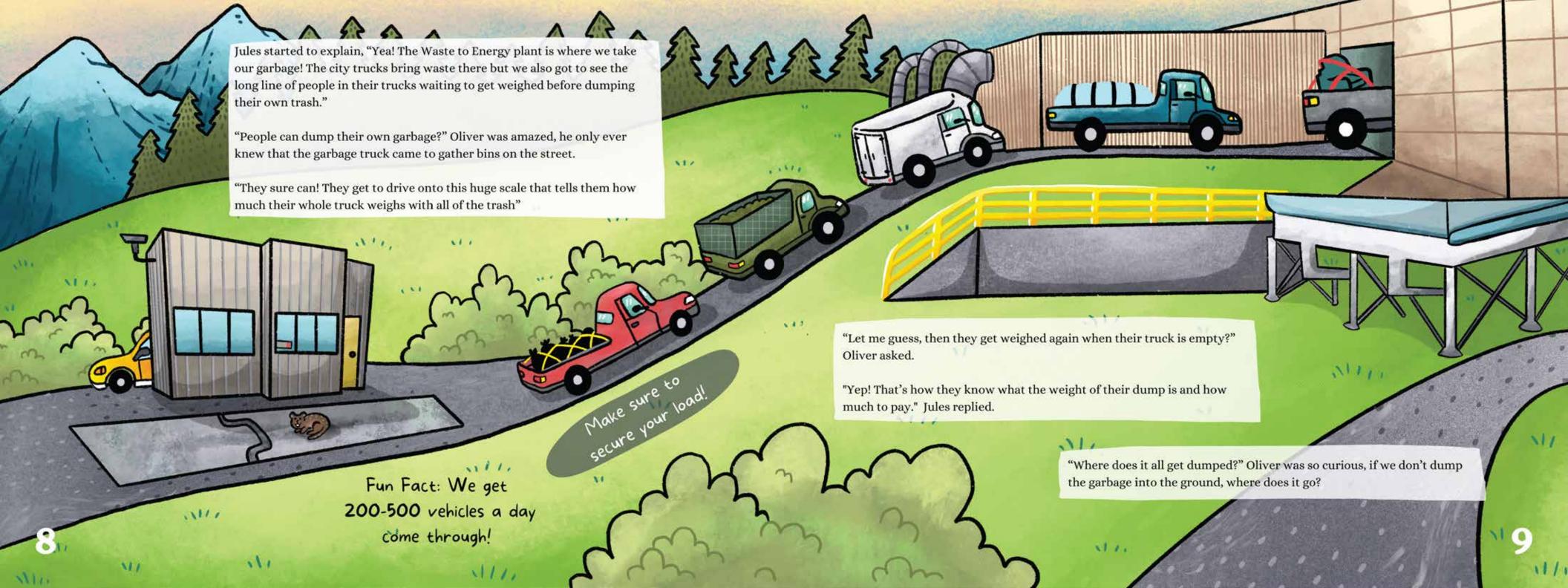
This book is dedicated to the staff at the City of Spokane Waster to Energy Plant. Know that you are part of something pretty miraculous each and every day. A special thanks to the author and artist, Corinna Ren for this collaboration. Copyright 2022 by the City of Spokane.

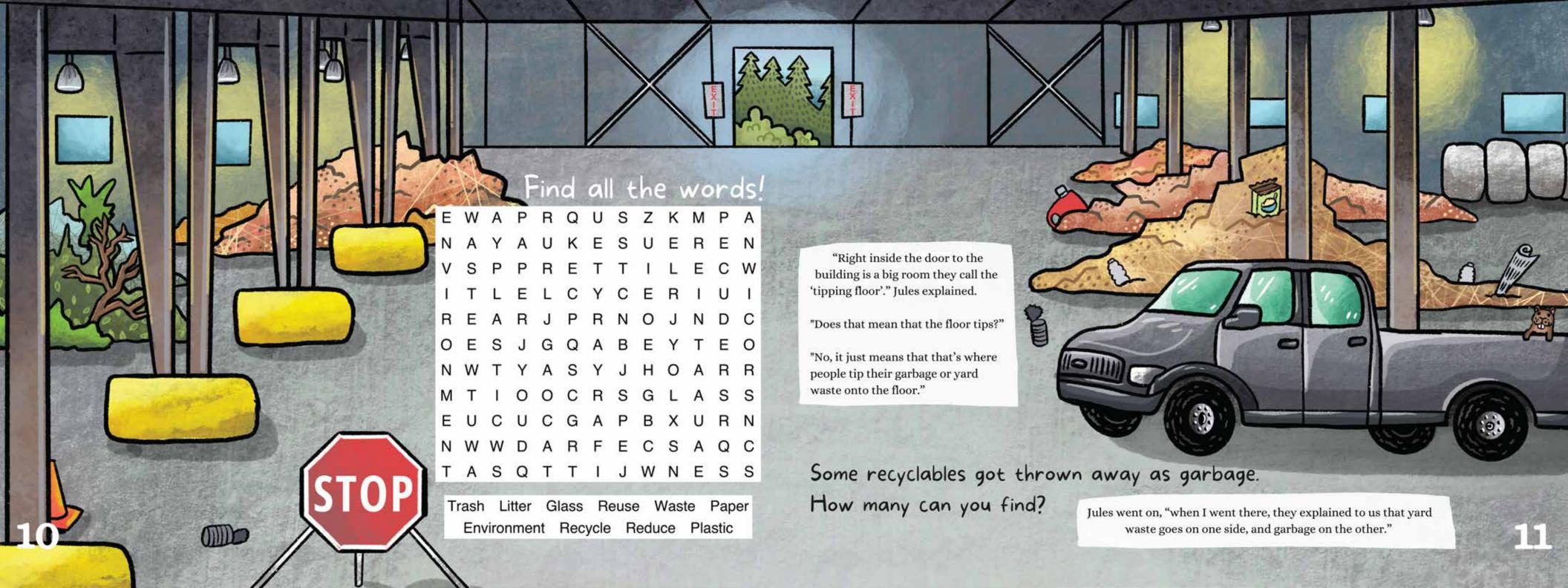


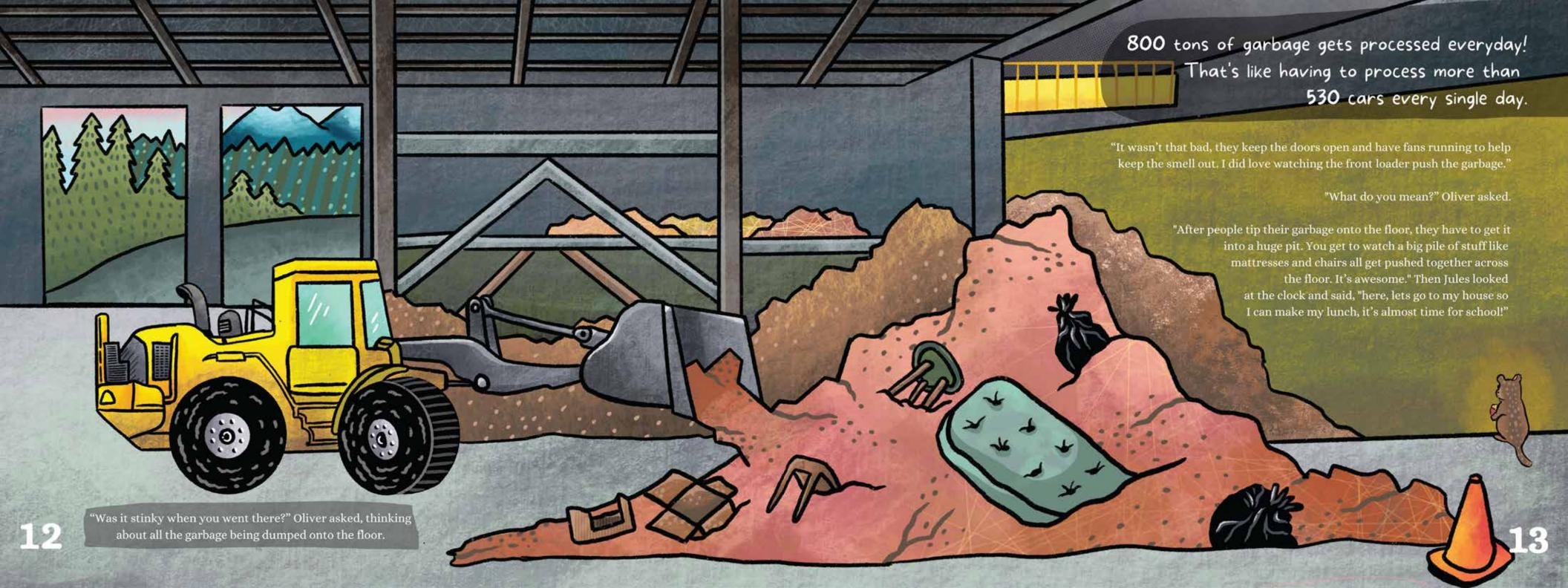




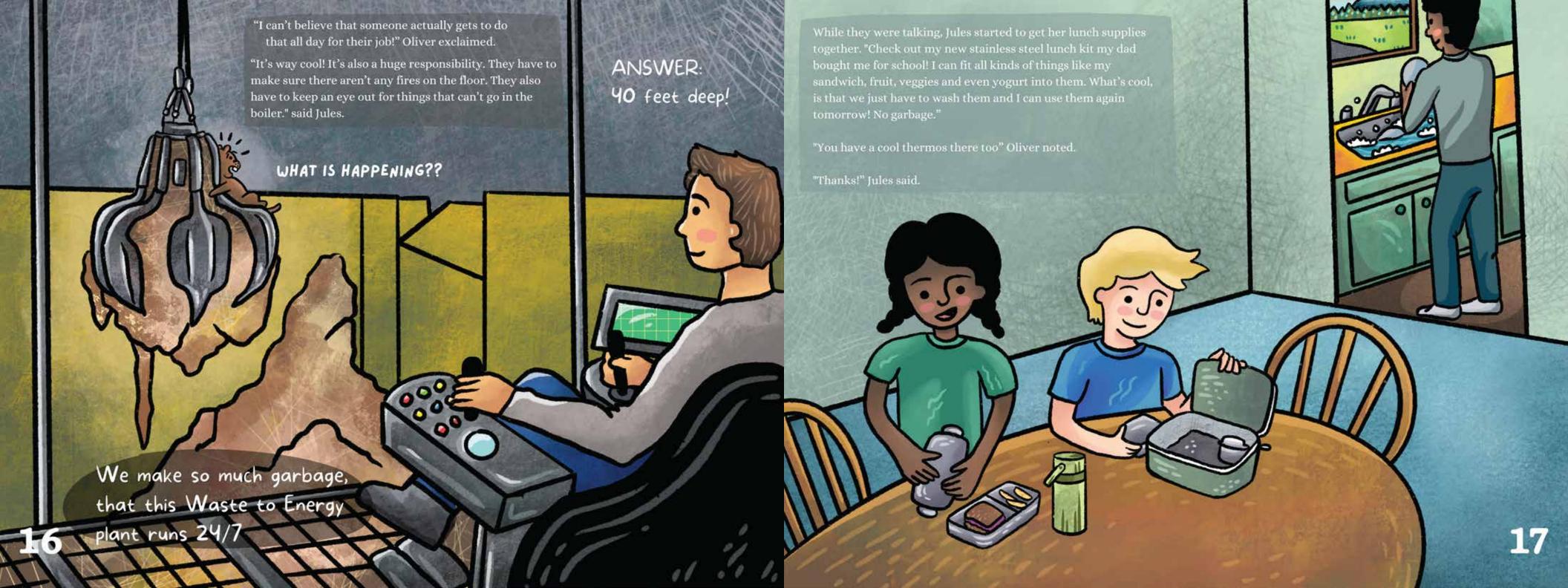


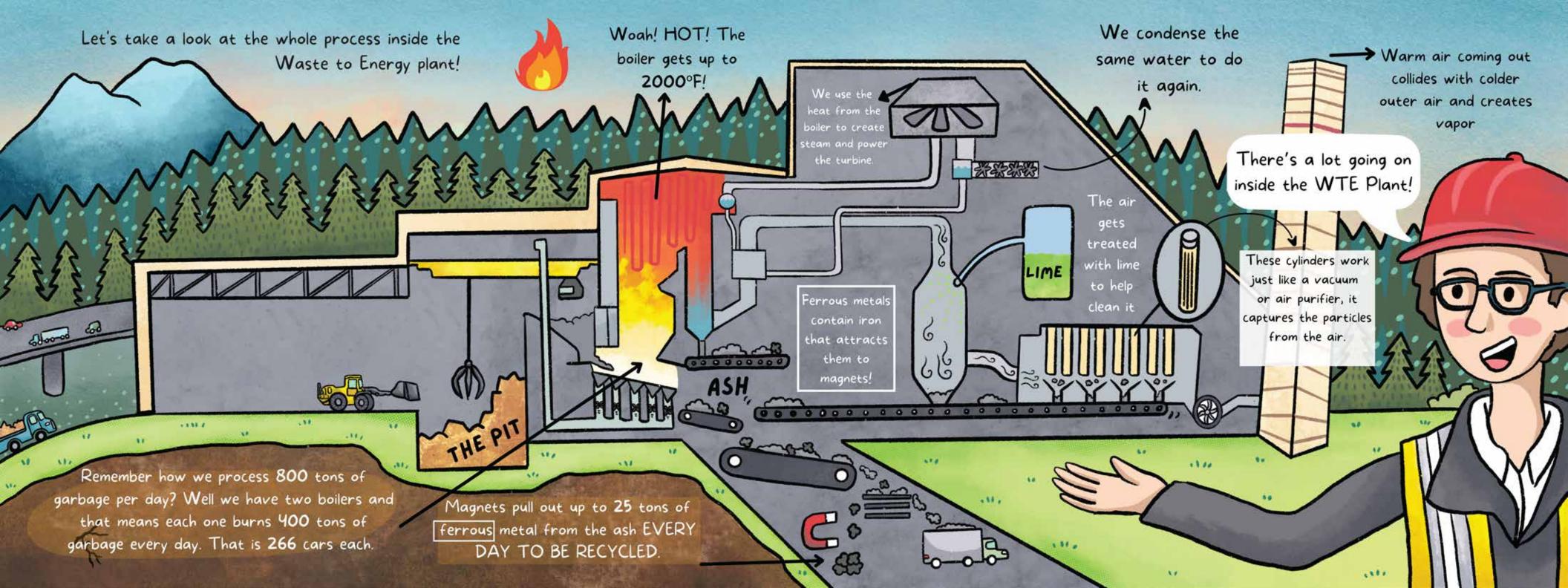




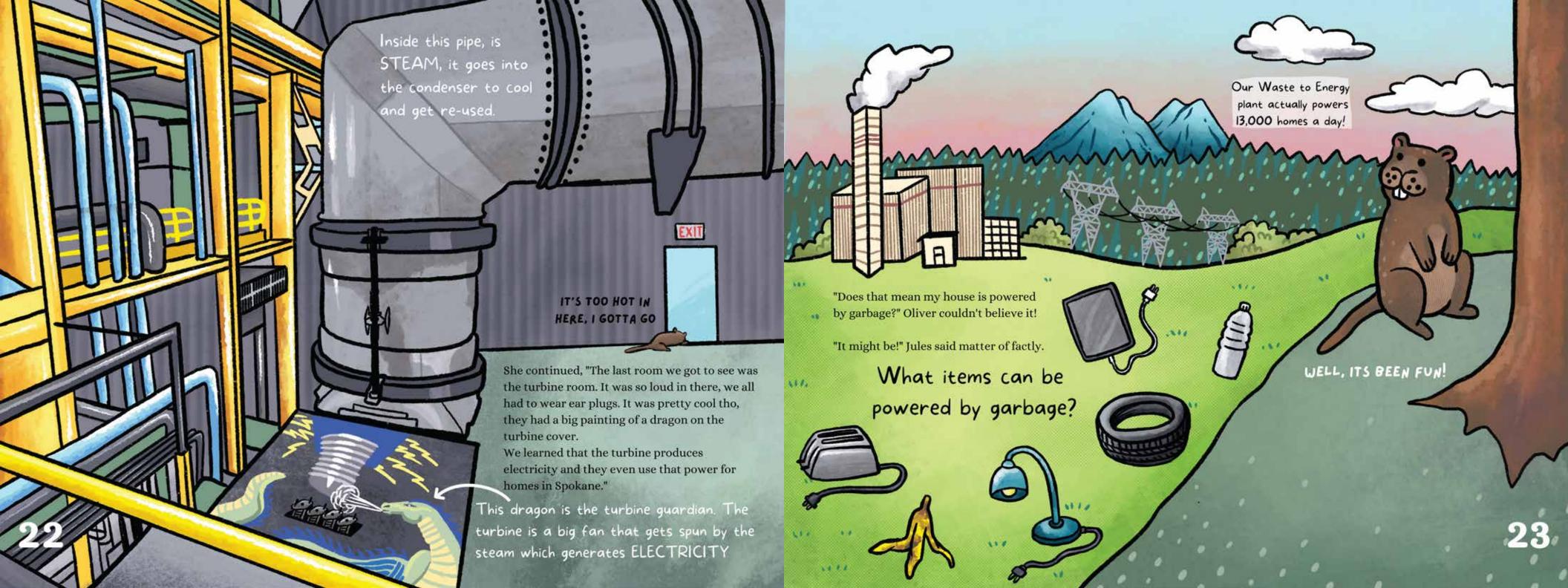












"Do you think that our Waste To Energy plant solves our garbage problem?" Oliver asked?

Albert

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.1111

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"The problem is, that it isn't just how we deal with our garbage that matters, its how much of it we generate. The Waste to Energy plant still has a hard time keeping up with how much waste we throw away." said Jules.

"It's still pretty cool that we could come up with a system that helps us manage our waste locally," replied Oliver.

Jules agreed, "yes, but we have a lot of work to do yet. How we pack our lunches is just one small way we can help with our giant waste problem.

Every day I try to come up with new ideas on how we can make things better." "Me too," said Oliver thinking,
"thanks for helping me today!"

"Of course!" said Jules.

"By the way," said Oliver, "I heard me

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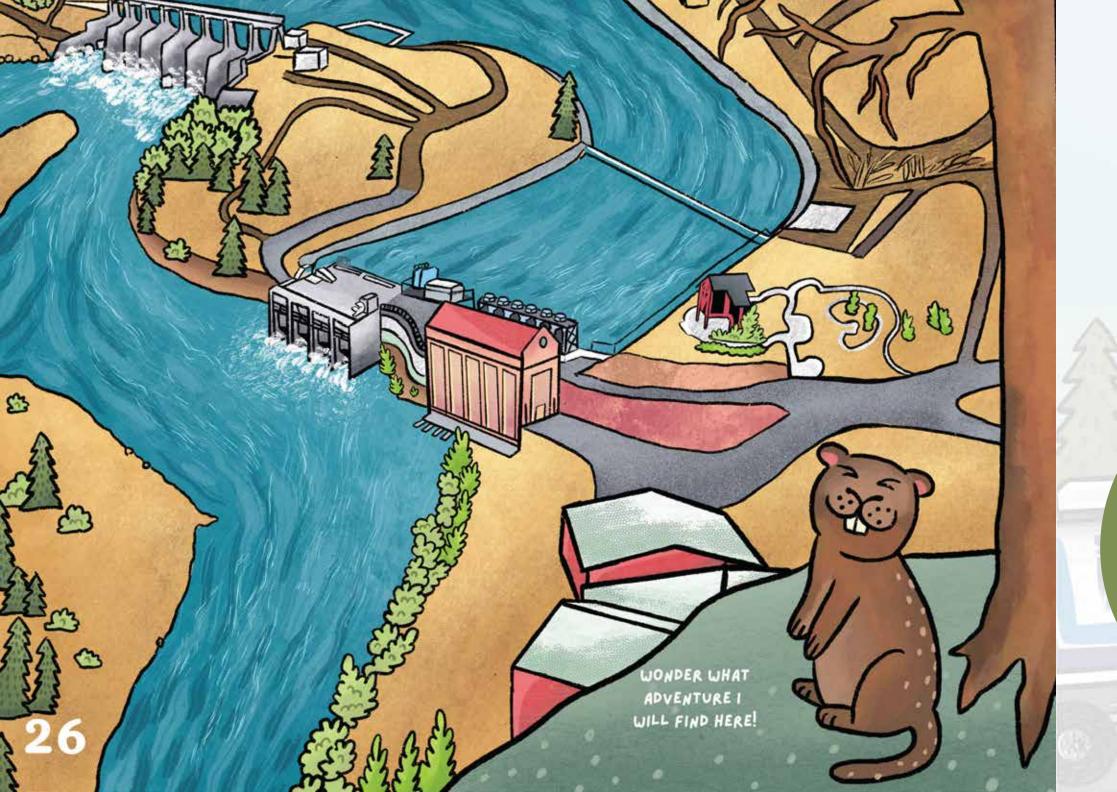
"By the way," said Oliver, "I heard my class might be going to see the water department next month."

"Woah, make sure to let me know how that goes!" said Jules excitedly.

What are some other things you think we could do to produce less garbage?

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## Fun Facts about the Plant!

The floor where all the trash is brought and dumped is 1!4 acres big. That's larger than a football field.

The Waste to Energy facility burns up to 800 tons of garbage a day in its two boilers.

That is 1,600,000 pounds or the same weight as 182 Asian Elephants!

On the tipping floor, all the trash gets pushed into a pit that is 40 feet deep and 150 feet wide. It can hold up to 4,800 tons of garbage at one time, which seems like a lot, but is less than what Spokane generates in a week.

When burning trash, temperatures inside the boilers get up to 2,000 degrees
Fahrenheit. The surface of the sun is over 9,000 degrees!

Each boiler uses up to 400 gallons of water per minute to make steam

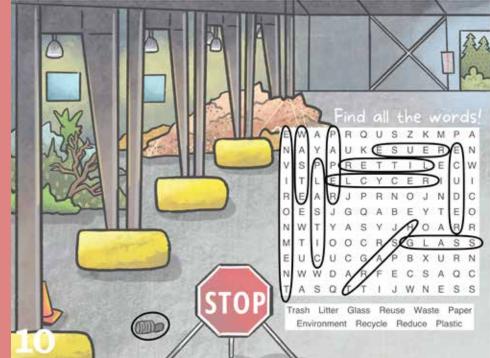
that trash, 22
megawatts of
electricity is
produced which is
enough to power
more than 13,000
homes.

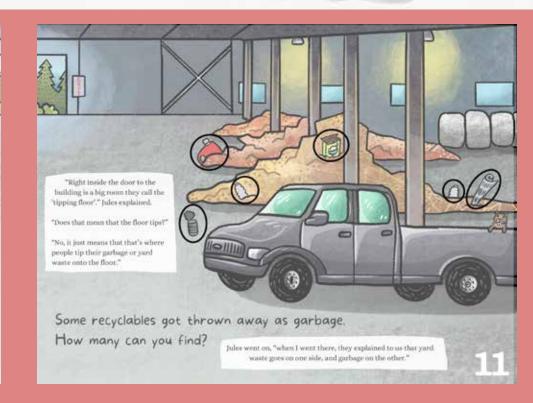
From burning

The stack (or chimney) where all the cleaned air from the boilers is released is 170 feet tall.

## Answer Pages









When Spokane, WA had a problem with water contamination from local landfills, a solution was needed. Join Oliver and Jules as they learn more about Spokane's Waste to Energy facility and the change it brought to how this city processes it's waste. Follow along with our trouble making marmot friend as he explores the plant and Jules tells Oliver the story of touring the facility.

CHALLENGE YOURSELF ALONG WITH OUR FRIENDS JULES AND OLIVERTO CONSIDER THE IMPACT OUR WASTE HAS ON OUR ENVIRONMENT AND WHAT CHANGES WE CAN MAKE TO REDUCE THAT IMPACT.

