



GO! EXCEL | OCEAN ANIMALS

Spot






Waves crashed onto the beach. They rolled in, one after another. Alex felt like the sea was welcoming him back. His eyes closed. He smelled the salty air. Wet sand stuck to his feet.



Each summer, Alex visited his grandmother. He called her Gram. Her little house sat on a hill. It looked over a cove. Alex got to spend a week there. This was his favorite part of summer.

A young man with curly brown hair is shown in profile, looking out towards the ocean. He is wearing a red t-shirt. The background features a clear blue sky and the ocean with waves breaking on a rocky shore. A black decorative border with a leafy pattern frames the text box.

On the beach, Gram stood next to Alex. "Welcome back. Now let's head home. We have work to do."



Alex helped Gram during his visits.
He did work around her house.

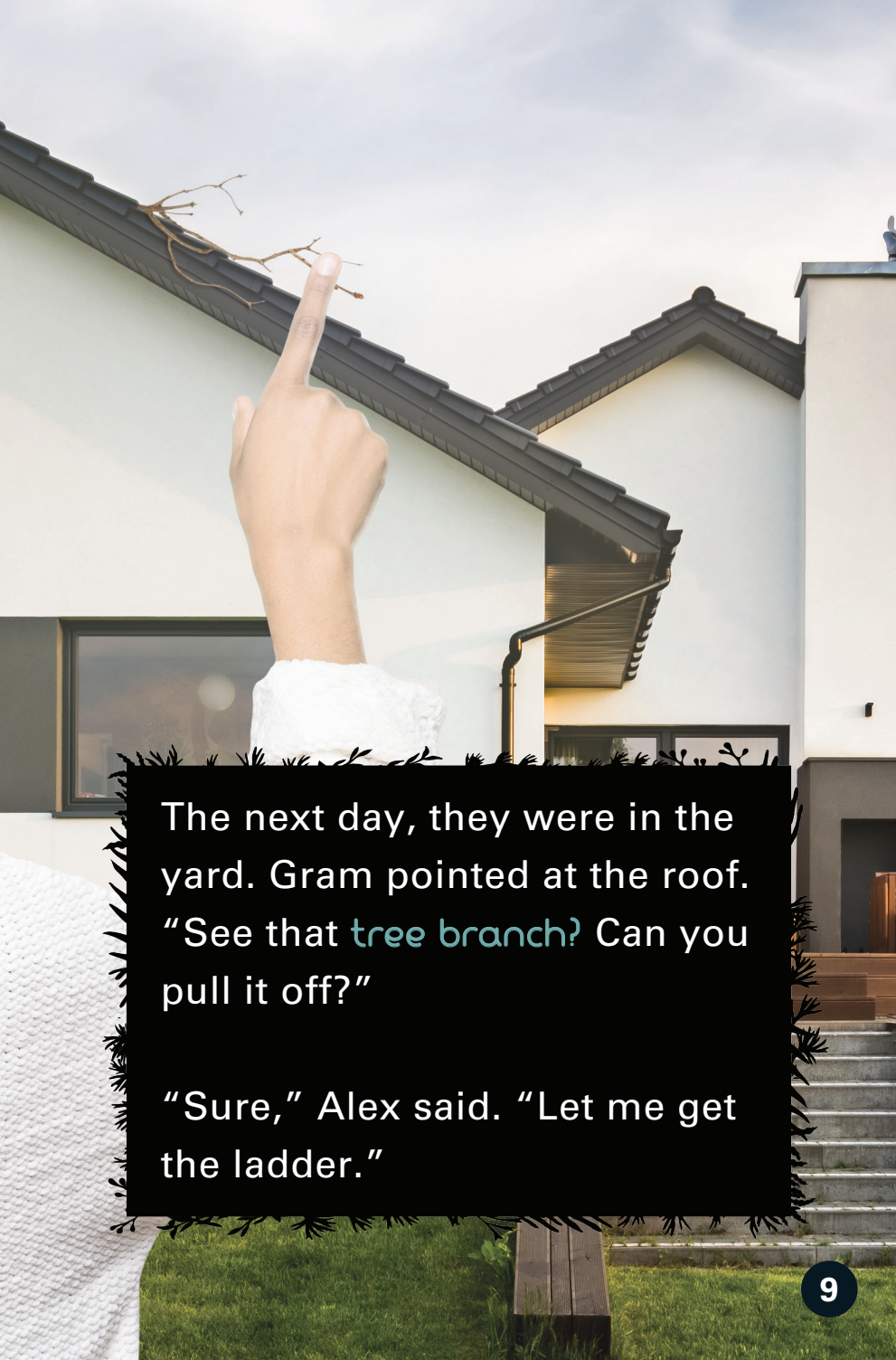
"You help with **chores**," Gram said.
"And I will feed you well." She was
a very good cook.



"I like your cooking better than Mom's."

Gram chuckled. "Don't tell her that."

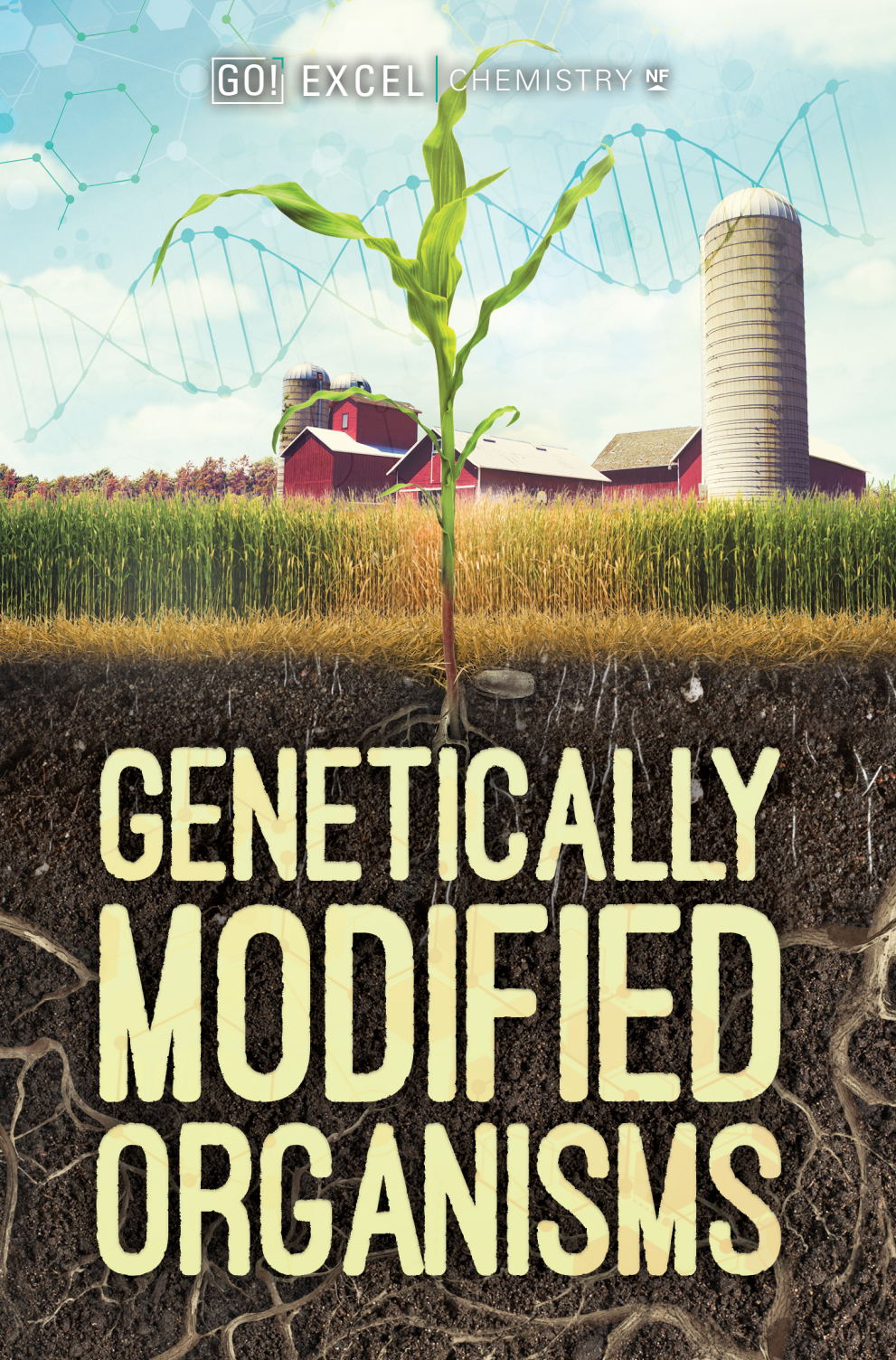




The next day, they were in the yard. Gram pointed at the roof. "See that **tree branch**? Can you pull it off?"

"Sure," Alex said. "Let me get the ladder."

GO! EXCEL CHEMISTRY NF



GENETICALLY MODIFIED ORGANISMS



A farmer planted cabbage.
It's growing. He checks on
the plants. First he sees one
bug. Then he finds more.
They are **eating** the leaves.




There is a spray that kills the bugs. But it costs a lot. The farmer cannot pay for it.


Soon all the plants have bugs. His crop is **ruined**. This is a big loss.







Many pests hurt crops. Farmers can spray them. But cost is just one problem. The spray gets on food. Then people eat it. This may harm them. Sprays can hurt plants too. Experts look for other ways to kill bugs. Food needs to grow. It also must be **safe**.

A close-up photograph of a hand wearing a blue nitrile glove. The hand is holding a small, clear petri dish with a pair of tweezers. Inside the dish is a small green plant seedling with two leaves. The background is blurred, showing more green plants and a blue surface.

Some say GMOs are the key. These are genetically modified organisms. GMOs are living things. Scientists make them. It happens in labs. They can be plants. Animals are used too. Their **genes** have been changed. The goal is to fix a problem.

