

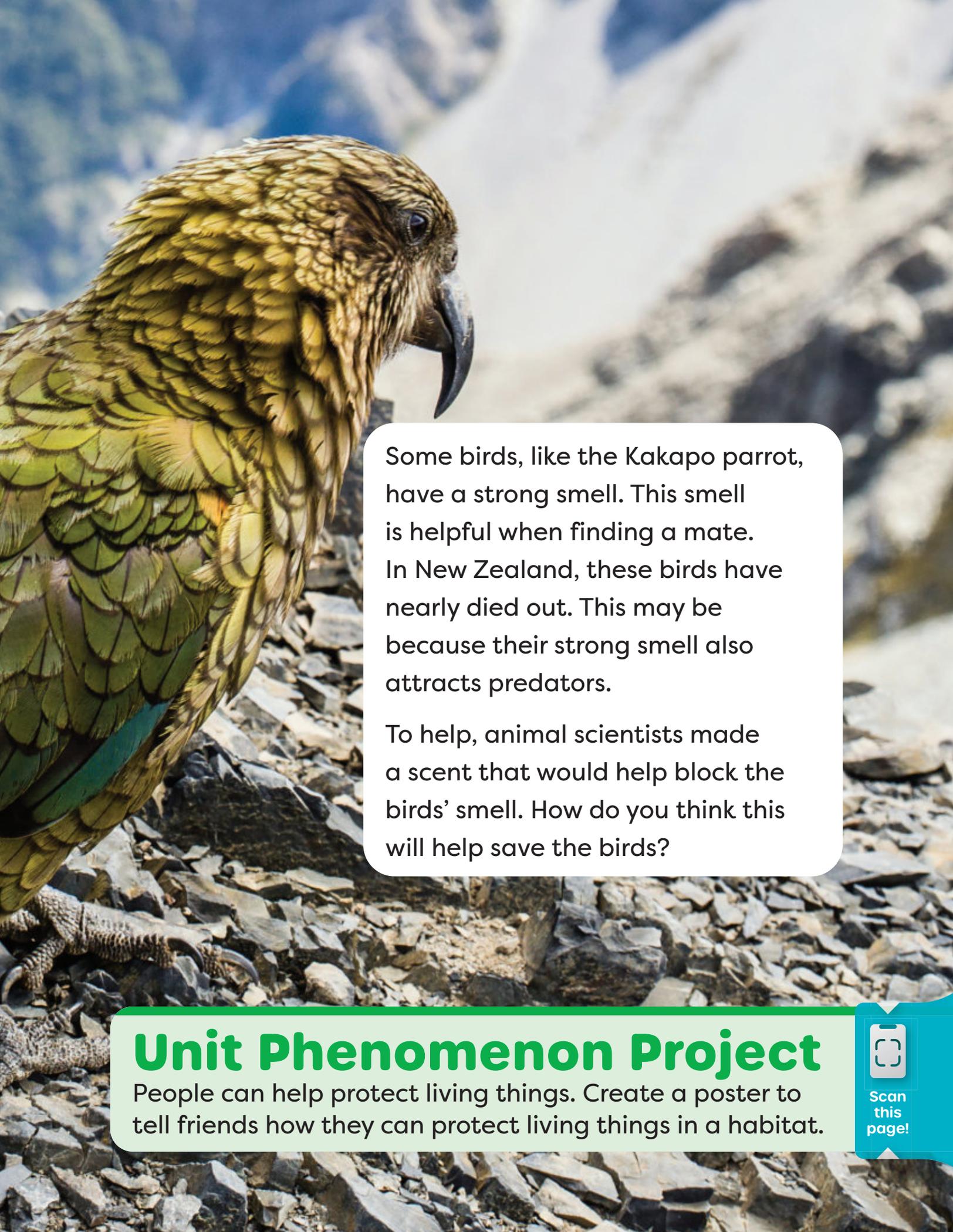
UNIT

3

Habitats and Biodiversity

Chapter 3A:
Plants and Animals

Chapter 3B:
Habitats



Some birds, like the Kakapo parrot, have a strong smell. This smell is helpful when finding a mate. In New Zealand, these birds have nearly died out. This may be because their strong smell also attracts predators.

To help, animal scientists made a scent that would help block the birds' smell. How do you think this will help save the birds?

Unit Phenomenon Project

People can help protect living things. Create a poster to tell friends how they can protect living things in a habitat.



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Plants and Animals



Essential Question

What kind of plants and animals are on Earth?

Chapter Project

Plants need air, water, and light to grow and live. Conduct an experiment to show how the amount of sunlight provided can affect a plant's growth.

1. Choose 3 seedlings of similar size. Plant them in similar pots.
2. Measure the height of the seedlings starting from the soil level.
3. Place the first pot in a dark cupboard. Place the second pot near the classroom window. Place the third pot in the school garden.
4. Water the seedlings with the same amount of water each day.



Lesson 1

Animal and Plant Life Cycles

Key Terms

seed coat

bulb

live birth

metamorphosis

Recall

Fill in the blanks. Use the words below.

1. A living thing's life cycle ends when it _____.

dies

is born

makes new living things

2. A life cycle continues when living things _____.

die

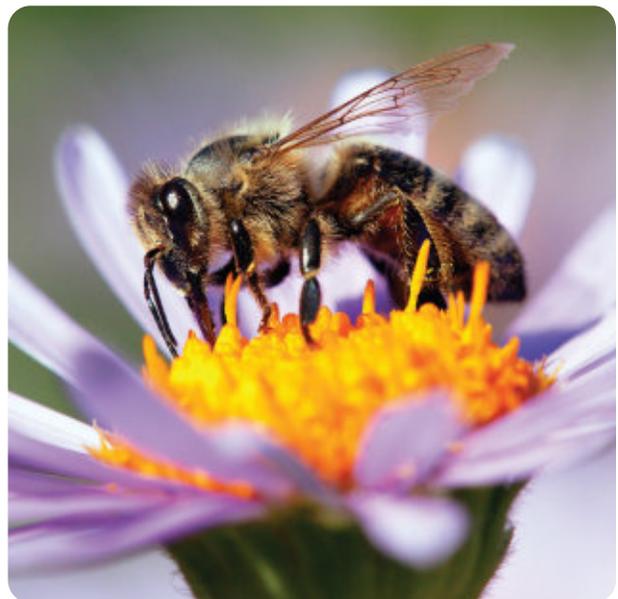
make new living things

Engage



Chomp!

1. What is happening in the picture?
2. What part of the plant is the bee eating from?
3. What do you think will happen next?



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Flowering Plants

In **Engage**, you observed a bee eating from a flower. Now, you will **Explore** different kinds of flowers that bees eat from.

1. Look at the kinds of plants listed in the table.
2. Draw the shape of the flower for each plant.
3. List words that describe the flower. Focus on the flower's color and shape.



Kind of plant	Flower shape	Description
Roses		
Hydrangeas		
Tulips		

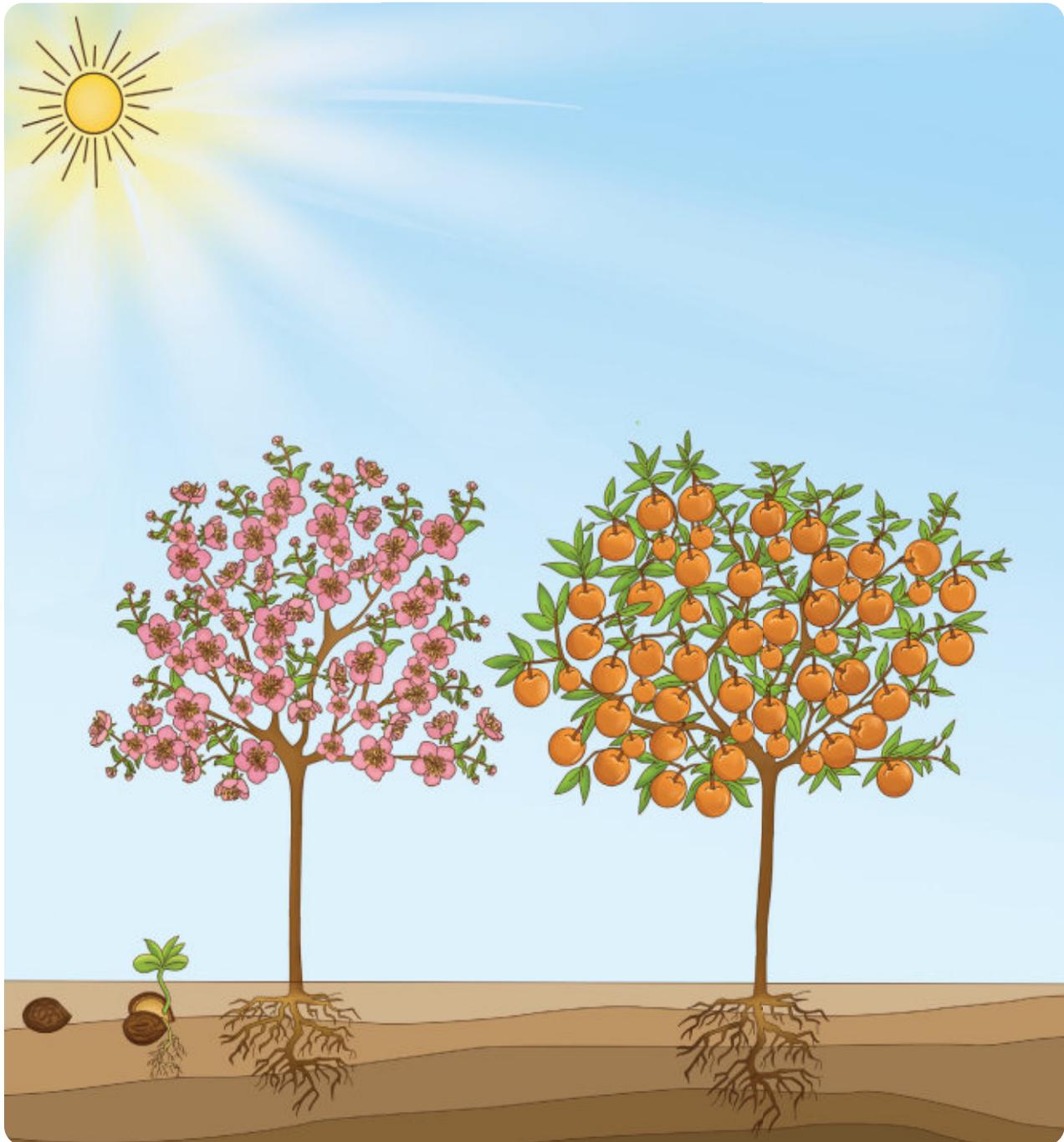
How might the color of the flower help the plant survive?



How Do Plants Grow and Change?

In **Explore**, you compared how different kinds of flowers look. Now, you will learn more about plants and their life cycles.

All living things have a life cycle. Living things start their lives, they grow and change, and then they die.



Living things make new living things during their life cycle.
Some plants make new living things from seeds.

This lemon tree makes new trees from seeds in its fruit.

