

Our Story, Our World



Unit 1

Land and Community

Unit: 1

Lesson: 3

Earth's Environment



Essential Question:

How do people change the environment to meet their needs?

Objective:

I can explain why people change their environment to meet their needs.

Theme Vocabulary



Environment



Nutrients



Purify

Environment

- The environment includes all nature around us.
 - Materials for buildings, food, water, and air come from the environment.
 - Food and water often need to be purified to be safe.
 - People sometimes change the environment to obtain needed resources.
- Why is it important to wash apples before eating them?**
To make them clean and safe to eat



Getting Food

- People change the environment to make finding food easier by clearing land and adding nutrients to grow crops.
- Raising animals requires a lot of land for shelter and grazing.
- Large farms build roads for easy movement, which changes the environment to meet human needs.



How was this land in the Netherlands most likely changed to build this farm? List two ways.



1. The land was cleared of its plants, and crops were planted in the fields.
2. A home and farm buildings were built on the land.

Getting Water

- People need water for living, bathing, cooking, and growing crops.
- Dams are built across rivers to stop the flow and store water or send it through pipes.
- Dams also create lakes for swimming, fishing, or boating.





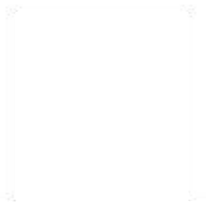
How have people changed the environment of Glen Canyon?

They built a dam across the Colorado River. They built a bridge and roads.



Mission Links: Find Evidence

- How have people changed the environment in your country?
- Discuss these changes with a classmate.



Building Cities

- People change the environment to build cities near homes, stores, and workplaces.
- Building cities involves cutting forests for lumber and using concrete for large buildings.
- Developing land affects the environment, but planting trees and creating parks can help reduce these impacts.



People change the environment
when they build cities.



Unlock the Mission Links

- What is one way people in your country have changed the environment that is not discussed in this lesson? Discuss with a classmate.
- Do you think you should include this information in your presentation?



Checkpoint

- Does a dam help or harm the environment? Explain.

It can do both. Possible answer: It will destroy some animals' homes, but it may provide homes for other animals.

- What is one effect of developing land?

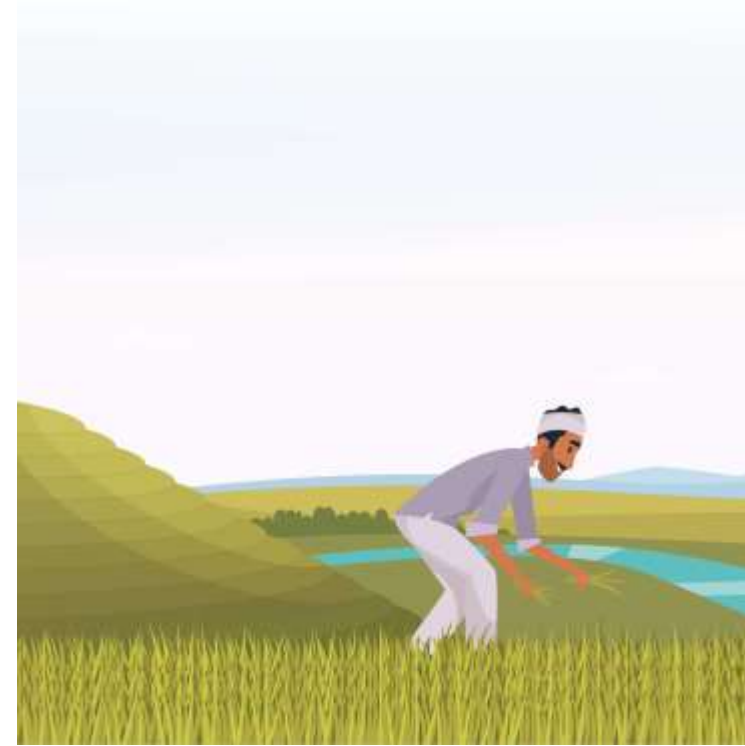
Animals may lose their homes.

Skills Practice: Cause and Effect

- A cause is why something happens; an effect is the result.
- Identifying cause and effect helps understand text connections.
- Words like because, if, then, and since show cause and effect.
- One cause can have multiple effects, and one effect can have multiple causes (e.g., heavy snowfall closes schools and roads).

Read the passage

Ben is reading a book about how a farmer plants new crops. He has learned that the primary steps are to clear the land and to find out what will grow well there. Some plants grow well in hot weather. Others need cold weather or a lot of rain. Ben also learns that once a farmer chooses the right crops, they may need to enrich the soil, or add nutrients to it. Then the farmer will turn the soil, or move it around, to help it absorb air and water. Turning the soil makes it ready for seeds. Once the farmer plants and covers the seeds, he can water the land. Then the seeds will grow.



Try it!

1. What causes a farmer to choose a certain crop?

The crop may grow well in the weather near the farm.

2. Why would a farmer turn the soil? Is this a cause or an effect?

The farmer turns the soil to make it ready for seeds. It is a cause.

3. What happens when the farmer covers and waters the seeds? Is the result a cause or an effect?

The seeds will grow. This is an effect of the farmer covering and watering the seeds.