



Kinds of Land and Water

Different kinds of land and water are found on Earth.

A plain is flat land. A hill is where the land gets higher.

This is a lake.

A lake is water that has land all around it.

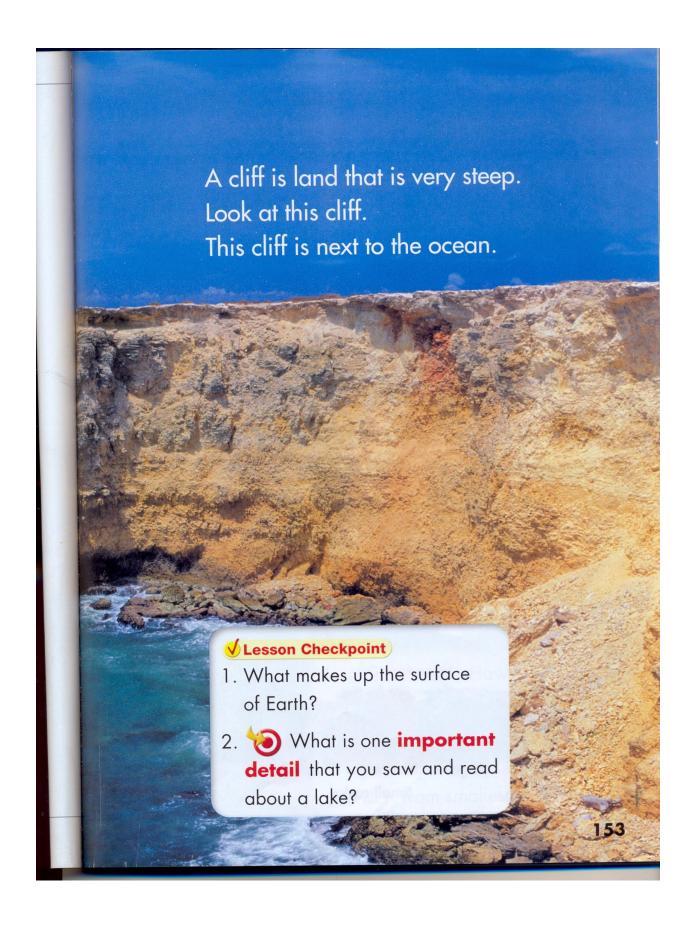
This is a river.

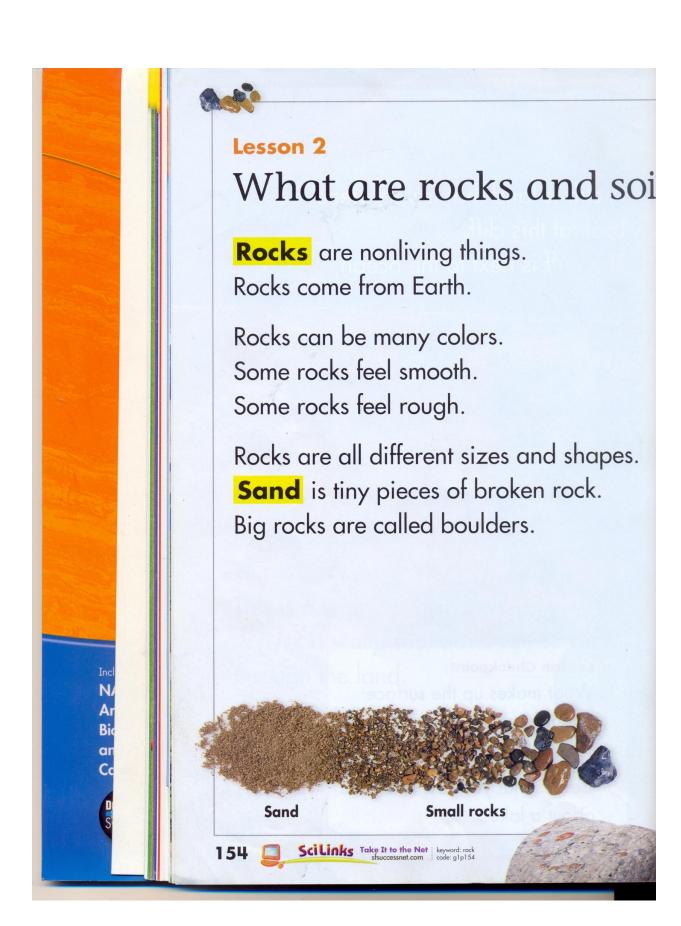
A river is water that flows through the land.













The road is made of rocks.



The fox is hiding in the rocks.

Rocks are a natural resource.

A **natural resource** is a useful thing that comes from nature.

Rocks

1. Checkpoint How can living things use rocks?

2. Math in Science Put small rocks, sand, and a boulder in order from smallest to largest.



Soil

Soil is a natural resource. Soil may have sand, clay, and humus in it.

Sand feels rough.
Sand is loose and easy to dig.

Clay is sticky and soft.

It is hard for plants to grow in clay.

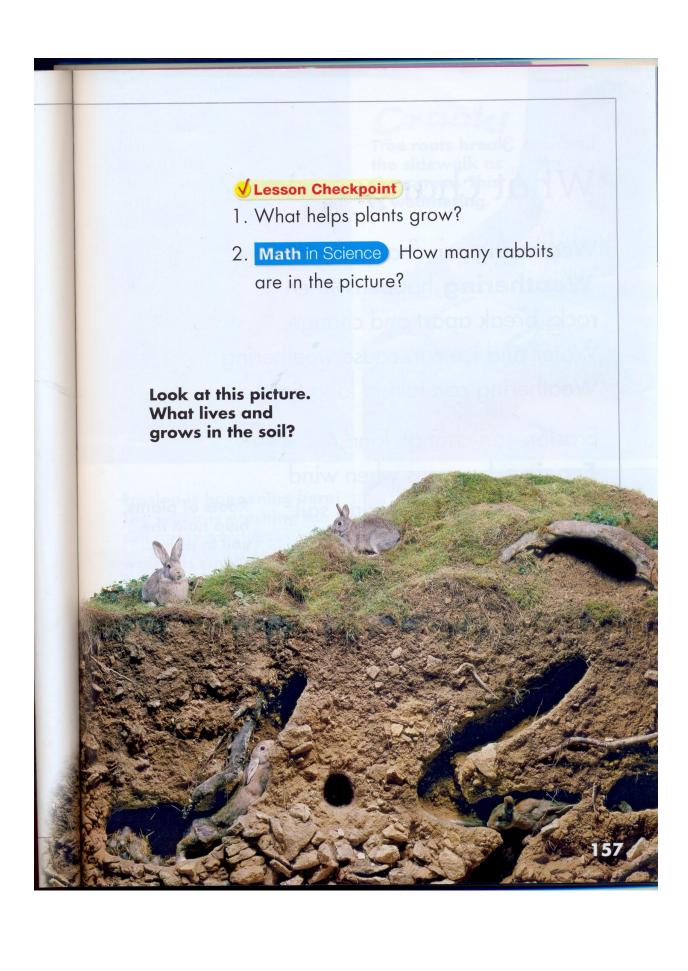
Humus is made of parts of living things that died.

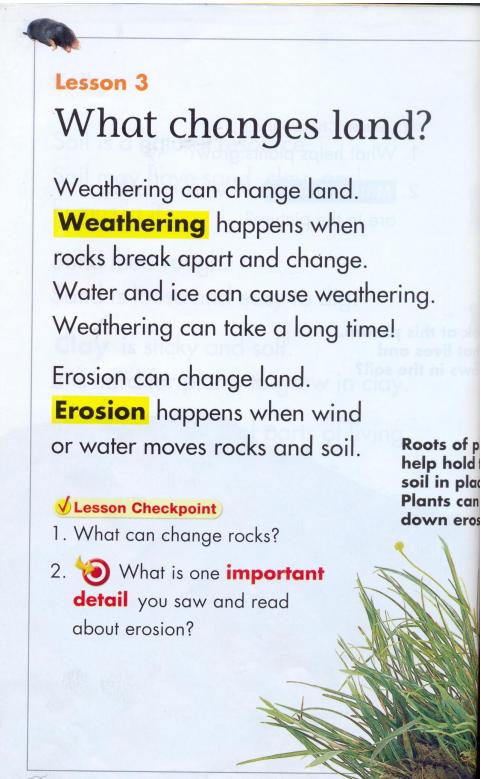


Worms loosen the soil. The loose soil helps plants grow.



Humus in the soil helps plants grow.









How do living things use natural resources:

Air is a natural resource.

Plants and trees need clean air to grow.

People and animals breathe air.

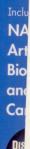
Some animals fly in the air.

Cars and trucks can give off harmful materials into the air.

People can help keep the air clean.

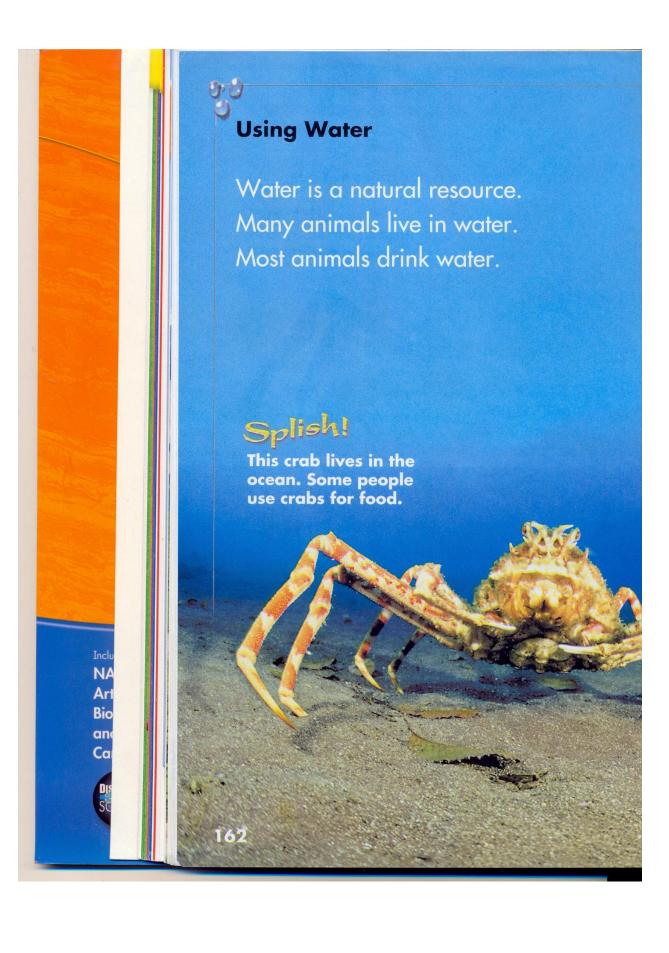
People can walk.

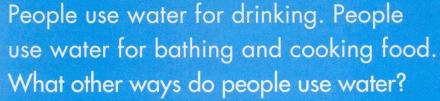
People can ride bikes.





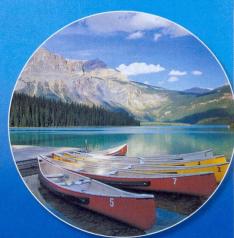








You can save water by turning the water off when brushing your teeth.



Splash!
People swim and play in water.

- 1. **Checkpoint** How do animals use water?
- 2. Writing in Science Write in your science journal. List three ways that you use water.

Using Land

Land is an important natural resource. The pictures show ways that people use land.

People grow food in soil. People use wood from trees to build things.

Minerals come from the land.

Minerals are nonliving things.

Minerals are found in rocks and soil.

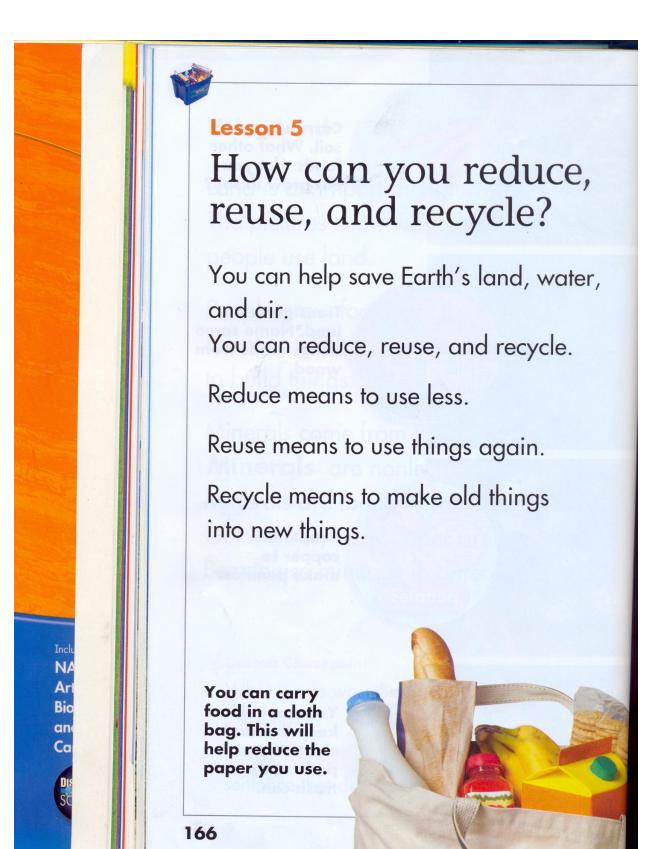
Gold, silver, and copper are minerals.

People use minerals in different ways.

√ Lesson Checkpoint

- 1. What is one way that people use land?
- 2. Writing in Science Write a sentence that describes minerals.







Lab Guided Inquiry

Investigate How are these soils different?

Materials



cups with soils



hand lens



cup with water



dropper



3 craft sticks

What to Do

- Observe the soils.
- Collect Data Draw and v about the dry soils. Use the word bank.



Add water and stir.

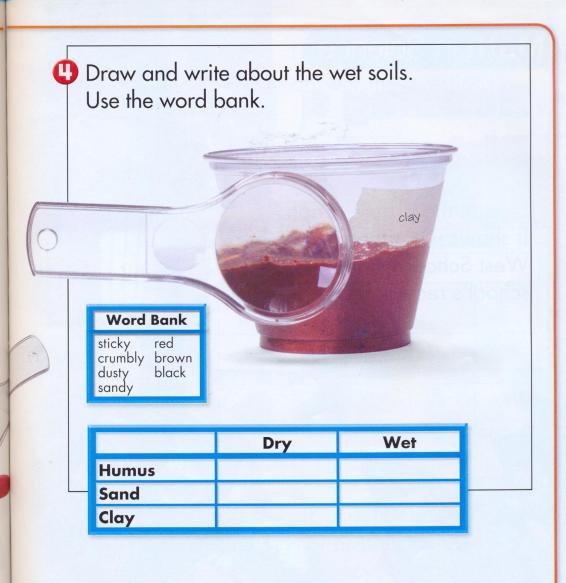
Process Skills

Recording in a chart is a way to collect data about soils.



NA Bic



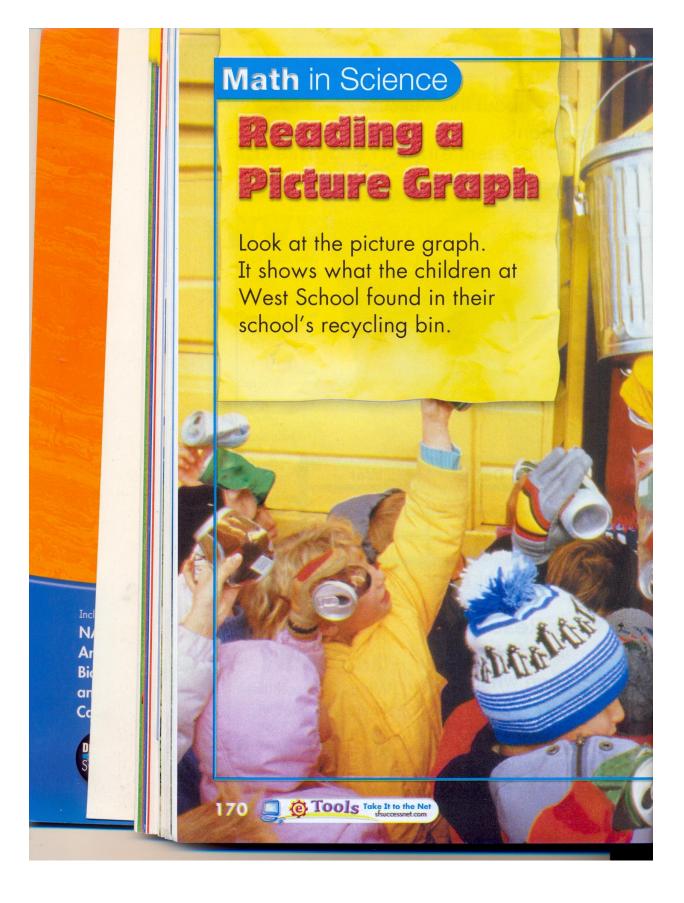


Explain Your Results

- 1. **Communicate** How did the soils change when you added water?
- 2. Which of the soils have you seen? Tell where.

Go Further-

What is the soil like where you live? Investigate to find out.





Vocabulary

Which picture goes with each word?

- 1. rocks
- **2.** sand
- 3. clay
- 4. humus
- 5. erosion
- 6. minerals















What did you learn?

- 7. What is weathering?
- 8. Why is land an important natural resource?
- 9. How do you use water and air?









Process Skills

10. Collect Data Name things in your classroom that can be recycled or reused.

Important Details

11. What are two important details you saw and read about Lily's shoebox?

Lily's Shoebox



Lily is using a shoebox. She is using it to hold her CDs.

Test Prep

Fill in the circle that correctly answers the question.

- 12. What makes up the surface of Earth?
 - A sun and moon
 - (B) water and land
 - © plants and animals
 - D summer and winter
- **13.** Writing in Science Write two sentences. Tell how people can protect the land.