

Earth Materials

Lessons 4–5



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Fossils

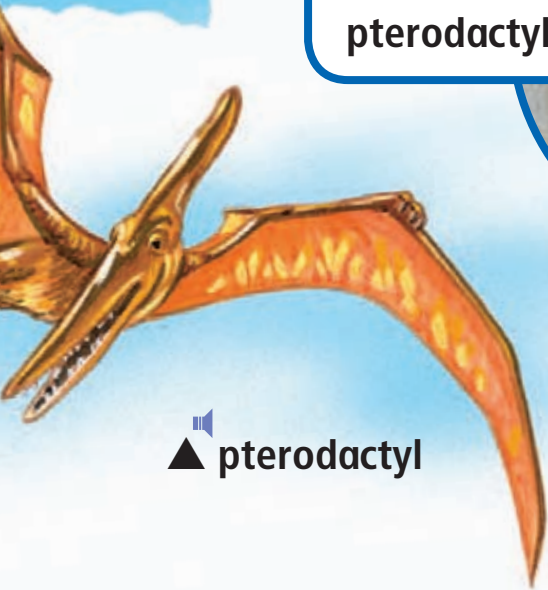
stegosaurus



fossil of stegosaurus



- Dinosaurs lived long ago.
- No dinosaurs live on Earth now.
- Fossils show what dinosaurs looked like.
- There are also fossils of other animals.



▲ pterodactyl

fossil of pterodactyl



fern fossil print in rock



- Fossils form from plants, too.
- Fossils are found in rock.
- A fossil can be a print.
- It can be a shell or a bone turned to rock.

How Fossils Form

fossil of tribolite



- 1. A plant or animal dies. It is buried.
- 2. The soft part rots away.



- 3. The hard part turns to rock.
- 4. After millions of years, a fossil forms.

Learning from Fossils



living fern today

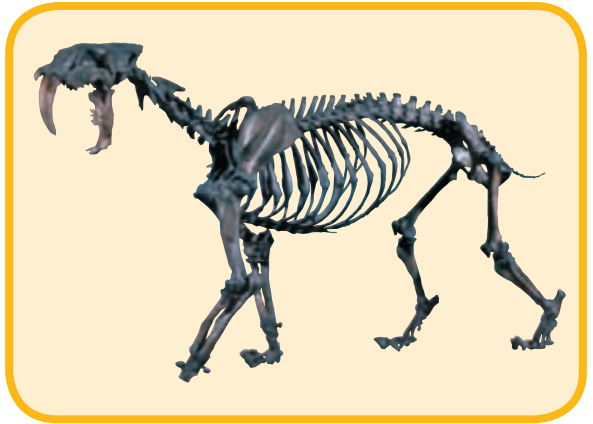


fern fossil print in rock

- Fossils show the size of plants and animals.
- They show how animals moved.
- Some fossils show what animals ate.

- ▣ Scientists study fossils.
- ▣ They study plants and animals of today.
- ▣ They see how fossils are like living things.

▣ fossil of saber-toothed cat ►



▣ saber-toothed cat of long ago ▼



Water, a Natural Resource

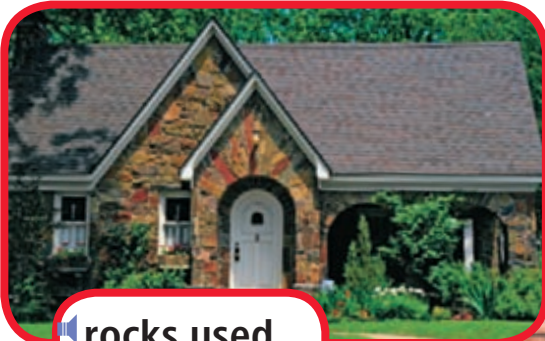
- People use resources to meet their needs.
- Water is a natural resource.
- People need water to drink.
- People use water to bathe and cook.

Norris Dam



Rocks and Soil

- ▶ Rocks and soil are natural resources.
- ▶ People also use rocks to build things.
- ▶ Clay may be made into bricks for building.
- ▶ People use soil to grow plants.



▶ rocks used
in building



▶ brick wall



▶ field of strawberries

Plants and Animals

- Plants are a natural resource.
- Cotton from plants is used to make clothes.
- People eat the parts of some plants.
- They may burn tree branches as fuel.

▼ apple tree



▲ cotton balls on plant



- ▶ Animals are a natural resource.
- ▶ People drink milk from cows or goats.
- ▶ Some people eat the meat of animals.
- ▶ People also use wool to make warm clothes.



▶ sheep



▶ cap made from sheep's wool

▼ cow



▼ cheese



Vocabulary

 **dinosaur, p. 2**

 **fossil, p. 2**

 **natural
resource, p. 8**

Think About the Reading

-  **1.** What questions do you have after reading this book?
-  **2.** How can you find the answers to these questions?

Hands-On Activity

-  **1.** List your activities for one day.
-  **2.** Next to each activity, write the natural resources you used.

School-Home Connection

Tell a family member what you have read about fossils. Talk with the family member about how fossils help us learn about Earth's history.