

Name: _____

People Change the Land

People have always changed the land. A long time ago, people cut down trees to make farms and houses. They dug in the ground to find water. Most of the changes they made were small because they only had hand tools. It took a lot of work to make big changes.

Now, we have big machines. We can dig bigger holes and cut down more trees in a shorter time. There are more and more people on Earth all the time. We change the land for many reasons.

- We cut down trees to clear land for farming. We need more land for more farms to grow more food.
- We also cut trees to get wood. We use the trees for building and to make paper.



When we cut down all the trees on a hillside, the roots cannot hold the soil. When it rains, there is a lot of **erosion**.

This can cause floods and other problems.

- We cut into the land to build roads. We dig tunnels through mountains.
- We drill deep into Earth for oil. We dig away parts of the land to find coal and natural gas. We use these to power factories, homes, and cars.
- We dig into hills and mountains to find copper and other minerals.



1. What are two reasons people cut down trees?

Reason 1: _____

Reason 2: _____

2. What are two reasons people change the land?

Reason 1: _____

Reason 2: _____

3. When too many trees are cut down at once, it can cause _____.

Name: _____

People Change Water on Earth

All living things need clean, fresh water. People use water every day. We drink water. We cook and clean with water. Sometimes, the ways we get fresh water can change bodies of water on Earth.

- We take fresh water from rivers and lakes. We send it to cities and farms for people to use. The rivers can get smaller or go dry before they reach a lake or an ocean. Lakes can get smaller or disappear.

- People build dams on rivers. A new lake forms behind the dam. What used to be land is now under water. The river stops flowing below the dam. Places that had a lot of water are now drier.



- People fill in shallow water at the edge of a lake or an ocean with dirt. They build cities on top. Sometimes, they dig at the bottom of the lake or ocean to make it even deeper. They build docks for big ships.

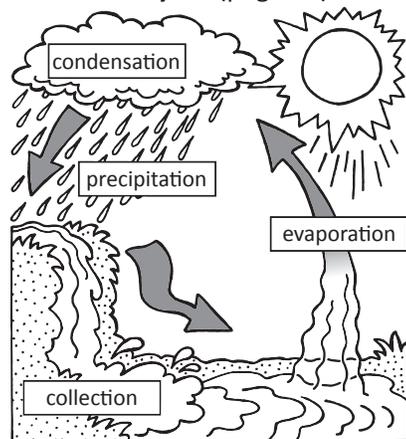
Sometimes, we make lake or ocean water dirty. We put trash and chemicals in the water. We say the water is **polluted**. This makes the water bad for living things. We need to keep the water on Earth clean!

1. What kind of water do people need to live?
a. salt water b. polluted water c. clean, fresh water
2. When people build a _____, a new lake is formed.
3. Why do we take fresh water from rivers and lakes?

Answer Key (cont.)

Unit 12—Water on Earth

The Water Cycle (page 62)



Where Is the Water on Earth? (page 63)

1. a
2. We can't use most of the water on Earth because it is salt water.
3. Check for appropriate answers.

Salt Water (page 64)

1. b
2. salt; oceans
3. Oceans are important because many animals live there.

Ice on Earth (page 65)

1. sea ice
2. iceberg
3. glacier

Keep Water Clean (page 66)

1. c
2. Our water can come from under the ground or from lakes and rivers. Accept other answers appropriate for your area.
3. Check for appropriate answers.

Unit 13—Landforms

Landforms (page 67)

1. c
2. same; changing
3. Wind and water break rocks into smaller pieces. The small pieces get moved to new places.

Mountains and Hills (page 68)

1. a
2. range
3. Mountains can be made when edges of the plates of Earth's crust push up; Volcanoes can make mountains.

Valleys and Canyons (page 69)

1. c
2. canyon
3. Glaciers drag rocks that grind away some of the land.

Plains (page 70)

1. c
2. rivers
3. Wind and rain break down the lava rock into soil so grass can grow.

People Change the Land (page 71)

1. People cut down trees to clear land for farming, for building, and for making paper. (any 2)
2. People change the land to grow food, get wood, build roads, and get oil and minerals. (any 2)
3. erosion

Unit 14—Bodies of Water

Water on Earth (page 72)

1. b
2. streams; lakes
3. Because it is mostly covered with water, which looks blue.

Oceans (page 73)

1. c
2. surface
3. Rain water carries salt from rocks down rivers into the ocean.

Rivers and Streams (page 74)

1. a
2. downhill
3. Rivers can wear away dirt and rock to make canyons. They can drop lots of dirt and rock.

Lakes (page 75)

1. a
2. dam
3. The water does not flow out. It evaporates and leaves a lot of salt behind.

People Change Water on Earth (page 76)

1. c
2. dam
3. We need water to live. We drink, cook, and clean with water. We use it to grow food.

Unit 15—Maps

What Is a Map? (page 77)

1. Check the coloring on the map for land (green or brown) and for water (blue).
2. Wilderness Park
3. on the map key
4. mountain
5. compass rose