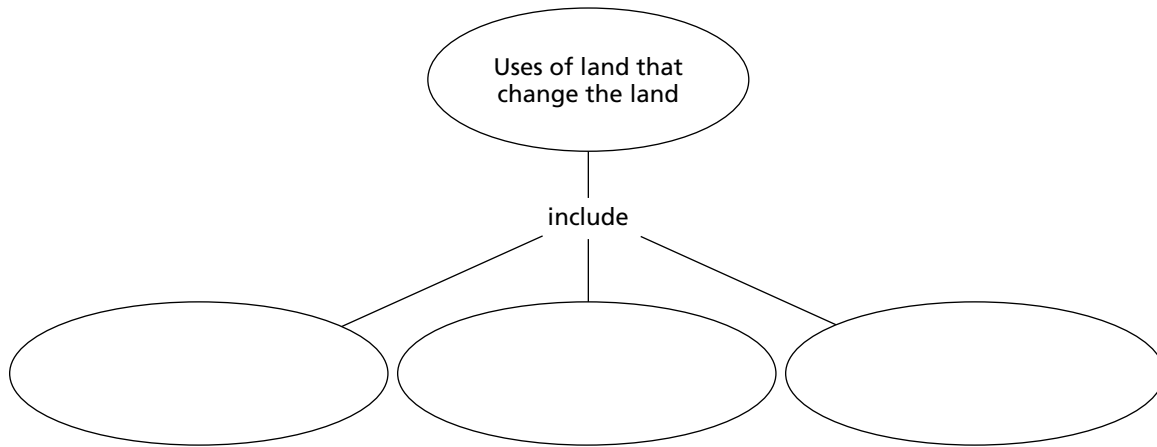


Land, Water, and Air Resources ▪ *Guided Reading and Study*

Conserving Land and Soil *(continued)*

Types of Land Use

1. Complete the concept map.



2. Why can less than a third of Earth's land be farmed?

3. List three ways that new farmland can be created.

a. _____ b. _____

c. _____

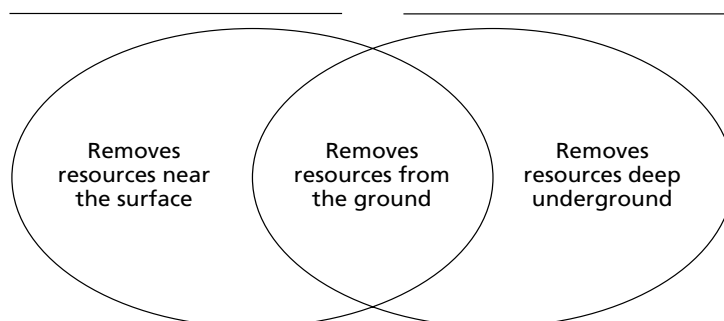
4. The construction of buildings, roads, bridges, dams, and other structures is called _____.

5. Circle the letter of each choice that is a result of development.

- a. Decrease in farmland
- b. Increase in wilderness areas
- c. Decrease in wildlife habitats
- d. Increase in cropland

6. The removal of nonrenewable resources from the land is called _____.

7. Complete the Venn diagram.



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8. Is the following sentence true or false? Strip mining involves carrying minerals up through shafts dug in the ground.
- _____

The Structure of Soil

9. Circle the letter of each choice that is a way people depend on soil.
- a. To provide plants with nutrients
 - b. To store and filter water
 - c. To break down wastes
 - d. To recycle chemical substances needed for life
10. Circle the letter of each choice that is part of the structure of fertile soil.
- a. litter
 - b. topsoil
 - c. subsoil
 - d. bedrock

Match the soil layer with what it contains.

Soil Layer	Contents
_____ 11. litter	a. Rock fragments, water, and air
_____ 12. topsoil	b. Dead leaves and grass
_____ 13. subsoil	c. Rock fragments, nutrients, water, air, and decaying animal and plant matter

Land, Water, and Air Resources ▪ *Guided Reading and Study*

Conserving Land and Soil *(continued)*

14. The rock that makes up Earth's crust is called _____.
15. Is the following sentence true or false? It takes about ten years to form a few centimeters of new soil. _____
16. How is bedrock broken down to form soil?

Soil Management

17. List three problems that can result from poor soil management.
- a. _____ b. _____
- c. _____
18. The process by which water, wind, or ice moves particles of rocks or soil is _____.
19. List the soil conservation practice that is shown in the drawing.



20. The process of soil becoming less fertile is called _____.

Land, Water, and Air Resources ▪ *Guided Reading and Study*

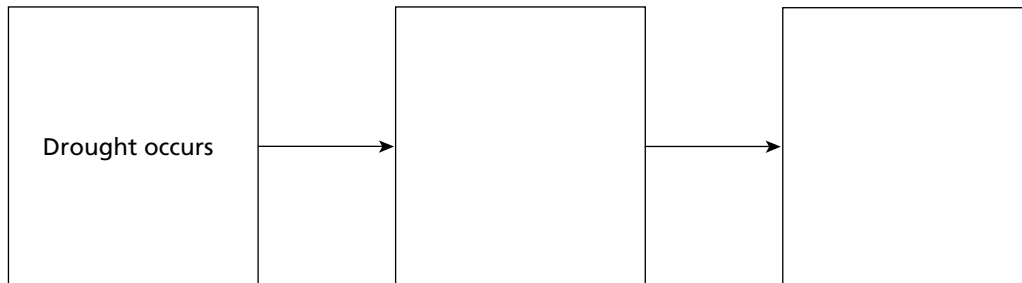
Match each soil conservation practice with its description.

Soil Conservation Practice	Description
_____ 21. leaving fields fallow	a. Adding nutrients that help crops grow better
_____ 22. applying fertilizer	b. Planting different crops in a field each year
_____ 23. crop rotation	c. Leaving fields unplanted

24. What is desertification?

25. Is the following sentence true or false? In the past 50 years, a large amount of land has undergone desertification.

26. Complete the flowchart to show how climate can cause desertification.



27. The process of restoring land to a more natural, productive state is called _____.

28. Is the following sentence true or false? Land reclamation is currently underway all over the world. _____

29. Is the following sentence true or false? It is easier to restore damaged land and soil than it is to protect them. _____

30. How can an open mine be restored to agricultural land?
