

**McGraw-Hill Science © 2000, Texas Edition
TAKS Practice Test**

**Grade 3, Chapter 10
What Earth Provides**

Name _____

Date _____

- 1 Is soil a natural resource? If yes, what kind?
- Yes. Soil is a renewable resource.
 - Yes. Soil is a nonrenewable resource.
 - Yes. Soil is an inexhaustible resource.
 - No. Soil is not a natural resource.
- 2 In which of these soils can the most plants be grown?
- Thin soil, found on the sides of mountains
 - Thick soil, found on flat lands
 - Rocky soil, found on many beaches
 - Dry, dusty soil
- 3 Coal forms from a soft material called peat. Where does peat change into coal?
- In swamps and bogs
 - Inside a volcano
 - Deep underground, below layers of rock
 - At the bottom of lakes or rivers
- 4 Which of these natural resources is nonrenewable?
- Trees
 - Fresh water
 - Air
 - Coal and oil

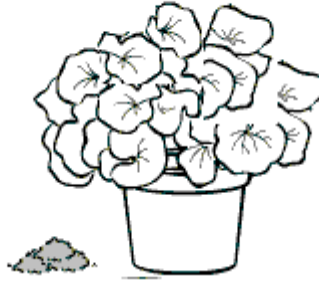
Use the information below and your knowledge of science to answer Questions 5 to 7.

A student grows geranium plants in three different kinds of soil. She gives each plant the same amount of water and sunlight.

The drawings show the plants at the start of the experiment, and after one month.



Plant in Soil A



Plant in Soil B



Plant in Soil C

After one week:



Plant in Soil A



Plant in Soil B



Plant in Soil C

- 5 What conclusion can be drawn about the three kinds of soil?
- All plants grow best in Soil A.
 - Geraniums grow best in Soil A.
 - Gardeners should buy Soil A to grow geraniums.
 - Plants cannot grow in Soil C because it is too sandy.

6 What most likely would help plants grow in Soil B?

- Cooling the soil
- Heating the soil
- Drying the soil
- Adding fertilizer to the soil

7 Soil A is most like the _____ found in nature.

- topsoil
- subsoil
- solid rock
- dry, dusty soil

8 What are plastics made from today?

- Wood and cotton
- Oil and natural gas
- Limestone and sandstone
- Loam

9 Which of these products is made from a renewable resource?

- Diamond necklace
- Plastic dinner plate
- Aluminum can
- Paper drinking cup



10 The label on a can includes the sentence:

This can may be recycled!

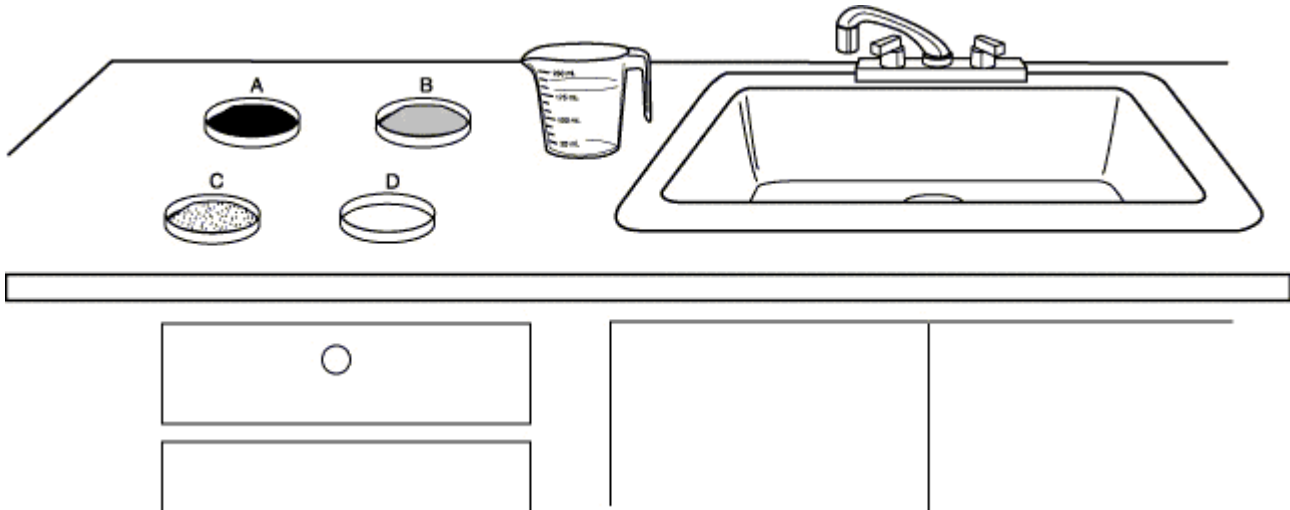
What information, if any, does this tell you about the can?

- The can is made from renewable resources.
- The can is made from inexhaustible resources.
- You will earn money for recycling the can.
- The materials in the can may be used to make other things.

11 When you feel a sample of soil, you are observing its _____.

- topsoil
- subsoil
- texture
- resource

Use the information below and your knowledge of science to answer Questions 12 to 14.



Here is the procedure for a science experiment.

PROCEDURE:

1. Label 4 dishes A, B, C, and D.
2. Scoop three soil samples onto Dishes A, B, and C. Each scoop should be the same size.
3. Add 30 ml of water to each soil sample and to Dish D.
4. Move the dishes to a warm, sunny place. Observe the dishes every hour for the rest of the day.

12 What question about the three soils does this experiment test?

- How much water can each soil hold?
- Which soil is best for growing crops?
- Which soil dries fastest in the Sun?
- What is soil made of?

- 13** What is the purpose of Dish D?
- Dish D is the variable in the experiment.
 - Dish D is the control in the experiment. The other dishes can be compared to it.
 - Dish D is the hypothesis of the experiment.
 - Dish D is the only dish that can be observed.
- 14** In Step 4, why are the dishes moved to a warm, sunny place?
- To help seeds germinate in the soil
 - To keep the water in the soil
 - To keep the soil samples safe
 - To help the soil samples dry, as they would dry in nature

Answer Key and Correlations

Question	Answer	TAKS	McGraw-Hill Science Grade 3 textboob
1	Yes. Soil is a renewable resource.	3.11A	p. 296
2	Thick soil, found on flat lands	3.11A	p. 294
3	Deep underground, below layers of rock	5.11C	p. 303
4	Coal and oil	3.11A	p. 302
5	Geraniums grow best in Soil A.	4.11A, 5.2C, 5.2D	p.294
6	Adding fertilizer to the soil	4.11A	p. 311
7	topsoil	3.11A	p. 293
8	Oil and natural gas	3.11A	p. 306
9	Paper drinking cup	3.11A	p. 302
10	The materials in the can may be used to make other things.	3.3B	p. 314
11	texture	4.11A	p. 291
12	Which soil dries fastest in the Sun?	4.11A, 5.2A	p. 295
13	Dish D is the control in the experiment. The other dishes can be compared to it.	5.2A	p. 295
14	To help the soil samples dry, as they would dry in nature	5.2A	p. 295