Grade 2 | SCIENCE

WEEK 28 • FILLABLE PRACTICE WORKBOOK • DAYS 136–140

Read the matching lesson in the Week 28 Student Textbook first. Type each answer in the box below its question and save a copy. Complete physical measurements, drawing, and hands-on tasks on a printed page. Day 140 is answered on your own.

Name: _____ Date: _____

Day 136: Landslides and Sinkholes: Fast or Slow?

Earth changes from several sources

Change	What happens	How long it takes
Mount St. Helens eruption, 1980	the top of the mountain blew off	one day
Grand Canyon	a river carved a deep canyon	millions of years
A landslide	rock and soil move down a slope	inches a year, or very fast
A sinkhole	rock dissolves, then the ground falls in	slow, then fast

1. Which change in the table happened in one day?

2. Which change in the table took the longest?

3. Explain why a sinkhole can be both a slow change and a fast change.

Day 137: Rain, Slopes and Changing Land

1. What makes soil on a hill more likely to slide?

2. Name two ways people can slow soil from moving down a hill.

3. Grass on a slope costs little but takes time to grow. A wall works right away but costs more. Which would you choose for a hill by a road? Explain.

Day 138: Comparing Solutions to Wind and Water

Wind test (a make-believe class's data)

Tray	Spoonfuls of sand blown off
No cover	9
Small fence	5
Grass mat	2

1. Which tray lost the most sand? How many spoonfuls?

2. How many more spoonfuls did the tray with no cover lose than the grass mat tray?

3. Which solution worked best? Use the data in your answer.

Day 139: Hands-On: Test Solutions With Wind

Hands-on task: test solutions with a straw wind

1. Put dry sand in three trays or baking pans, the same amount in each. Shape a small hill in each. Wear sunglasses or goggles.
2. Leave Tray 1 with no cover. Stand a short fence of craft sticks in front of the hill in Tray 2. Cover the hill in Tray 3 with a piece of grass, moss or a cloth mat.
3. Blow through a straw toward each hill 10 times from the same spot. Only blow out; never breathe in through the straw near the sand.
4. Scoop the sand that blew off the hill and count the spoonfuls. Record your data.
5. Compare your data. Tell which solution worked best and one problem with it.

Tray	Solution	Spoonfuls blown off
1	No cover	____
2	Fence	____
3	Grass or mat cover	____

Which solution worked best, using my data:

1. Write your data for the three trays.

2. Which solution worked best? Use your data.

3. Name one problem with the solution you chose.

Day 140: Independent Check: Earth's Changes and Solutions

Water test (a make-believe class's data)

Slope	Cups of soil washed away
Bare soil	6
Covered with leaves	3
Planted with grass	1

Answer on your own. An adult may read the questions aloud but should not give the answers.

1. Name one fast change and one slow change to Earth's surface.

2. Which slope in the table lost the least soil? How do you know?

3. Explain why a sinkhole forms slowly but can appear suddenly.