How to prevent erosion-lesson 1



Classroom Rules

Raise your hand before answering



Be nice to your classmates



Always wear your mask



Classroom Rules

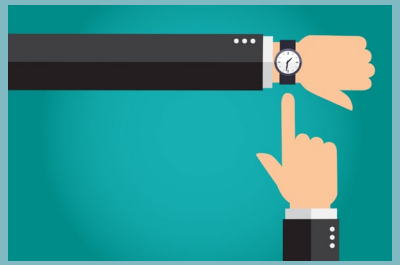
Always participate, even if you don't know the answers.



Keep your microphone on mute



Be on time to class



Sunday SUN	Monday MON	Tuesday TUE	Wednesday WED	Thursday THUR	Friday FRI	Saturday SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Yesterday was:

Today is:

Tomorrow will be:

Sunday Monday Tuesday Wednesday Thursday Friday Saturday

What we will learn today

I am learning about how to slow down erosion

I am winning in this lesson when I can explain how to slow down erosion

Vocabulary

Erosion

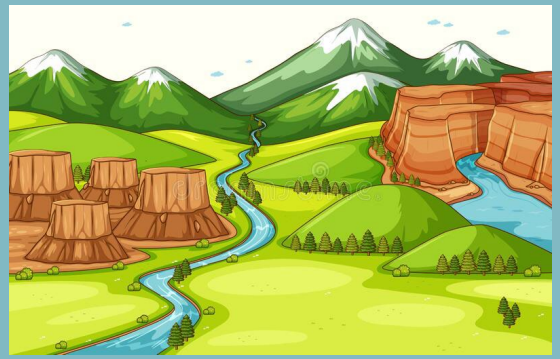


Prevent



Vocabulary

landforms



trees



Let’s watch a video-How can we slow down soil erosion?



Preventing erosion in the UAE

75% of the country has wind blown sand or eolian which means that it is constantly going through wind erosion and highly suspectable to water erosion.





– United Arab Emirates

Preventing erosion in the UAE

75% of the country has wind blown sand or eolian which means that it is constantly going through wind erosion and highly suspectable to water erosion.





Ghaf trees– United Arab Emirates

in the UAE





Seawalls in Ajman– United Arab Emirates

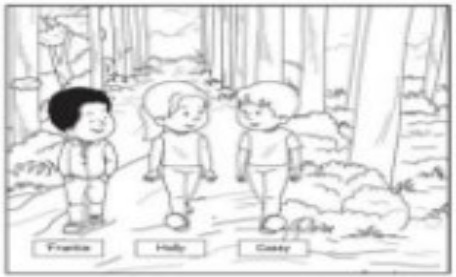
PAGE KEELEY SCIENCE PROBES

LESSON 3 LAUNCH

Wind, Water, and Land

Page 51

Three friends are talking about how wind and water can change the land by carrying away soil. Which friend has the best idea?



Frankie: *I think people can slow the changes to land from wind and water.*

Casey: *I think people can slow the changes to land from water. I don't think people can slow the changes to land from wind.*

Holly: *I don't think people can slow the changes to land from wind or water.*

Frankie has the best idea. Sample answer: People could design ways to block wind or water from changing the land.

You will revisit the Page Keeley Science Probe later in the lesson.


Design
Solutions to
Slow Landscape
Changes

slow erosion?



GO ONLINE
Check out *Breakwater* to see the phenomenon in action.

Talk About It

Look at the photo. The rows of materials are called straw wattles. Watch the video of material in the water. What do you observe? How do you think these materials are used? Draw or write about your thoughts below.

Sample answer: I think the straw wattles are used to stop dirt from sliding down the hill. I think the breakwater is used to block water from crashing onto a beach.

Did You Know?

The word *wattle* is related to the Old High German word *wadal* which means bandage.



VOCABULARY

Look for these words as you read:

natural resource

prevent

solution

Ways to Slow Landscape Changes

Ocean water crashes against a coast. This can wear down a beach over time. Strong winds carry away bits of soil on a farm. This can make it hard for crops to grow.

People can **prevent**, or help stop, erosion. Some methods use **natural resources**, or things that come from Earth.

People can plant plants along the coast. They can also use rocks to block the waves.



GO ONLINE Watch the video

Farmers plow curved rows of fields on hills. The rows help block water from flowing down the hill.



Farmers also plant windbreaks. A windbreak is a row of trees that helps block the wind. Windbreaks protect the soil.

1. How could planting beach grass help prevent wind erosion?

Sample answer: The grass grows deep into the sand and holds the sand in place.

2. Look at the photo below. Circle the plants that are protected by the windbreak.



Why is it important for people to find solutions to erosion?

Sample answer: Erosion can damage land. Wind

For online students

Nearpod: Watch the video, answer the questions and draw a picture of what you can do to stop soil erosion.

https://app.nearpod.com/?pin=U92CA

Links:

https://wordwall.net/resource/24436762/copy-of-weathering-and-erosion

https://wordwall.net/resource/10021777/landforms-weathering-and-erosion

https://wordwall.net/resource/22754815/weathering-and-erosion

Let's go through what we learned today

Name one way that we can slow down erosion

Online students post your answer in the chat.
In class students, answer on your paper



Self Evaluation



I can do this!



I'm getting there.



I need help!