



SCIENCE NOTEBOOK



PEBBLES, SAND, AND SILT

2ND GRADE

COPYRIGHT JORDAN SCHOOL DISTRICT
USE WITH PERMISSION ONLY



SCIENCE NOTEBOOK



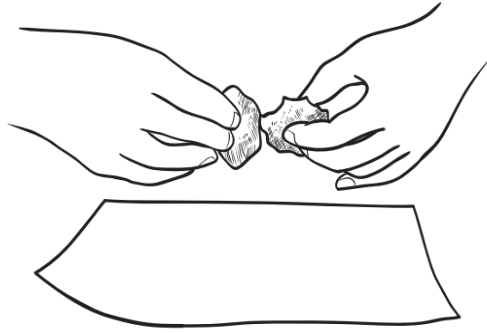
PEBBLES, SAND, AND SILT

2ND GRADE

COPYRIGHT JORDAN SCHOOL DISTRICT
USE WITH PERMISSION ONLY

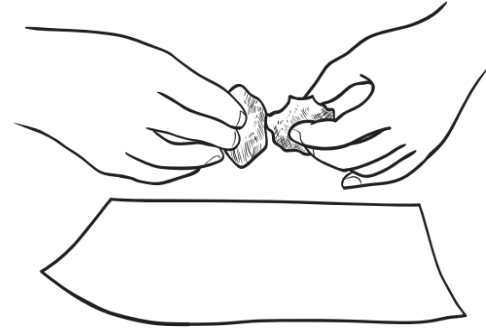
Rubbing Rocks

What happens when rocks rub together?



Rubbing Rocks

What happens when rocks rub together?



Focus Question What happens when rocks rub together?	Focus Question What happens when rocks rub together?

Rocks in Water

What happens when rocks are placed in water?

Choose one of the rocks. Circle it.

basalt

scoria

tuff

Describe and draw the rock out of the water.

Describe and draw the rock in the water.



Rocks in Water

What happens when rocks are placed in water?

Choose one of the rocks. Circle it.

basalt

scoria

tuff

Describe and draw the rock out of the water.

Describe and draw the rock in the water.



Focus Question What happens when rocks are placed in water?	Focus Question What happens when rocks are placed in water?

--	--

Rock Sorting

How are river rocks the same?

I sorted the rocks into groups using the property of

Rock Sorting

How are river rocks the same?

I sorted the rocks into groups using the property of

Focus Question How are river rocks the same?	Focus Question How are river rocks the same?

Rock Record

What are the properties of schoolyard rocks?

This rock is _____

Rock Record

What are the properties of schoolyard rocks?

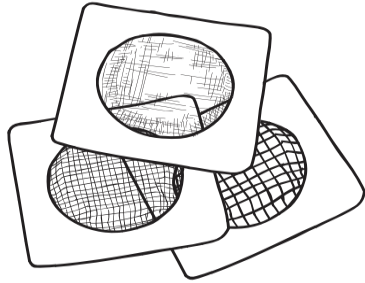
This rock is _____

Focus Question What are the properties of schoolyard rocks?	Focus Question What are the properties of schoolyard rocks?

Focus Question How many ways can rocks be sorted?	Focus Question How many ways can rocks be sorted?

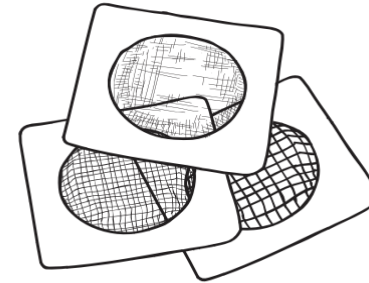
Screening River Rocks

How can rocks be separated by size?



Screening River Rocks

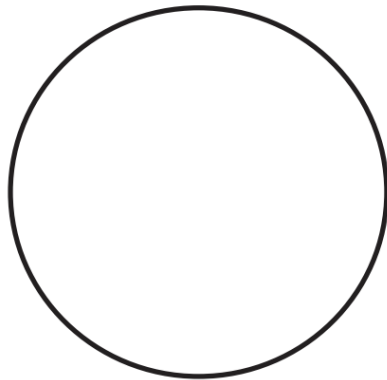
How can rocks be separated by size?



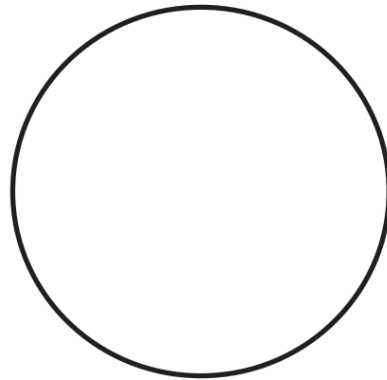
Focus Question How can rocks be separated by size?	Focus Question How can rocks be separated by size?

River Rocks by Size

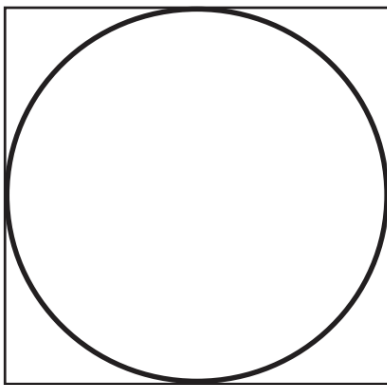
How else can rocks be sorted by size?



sand □



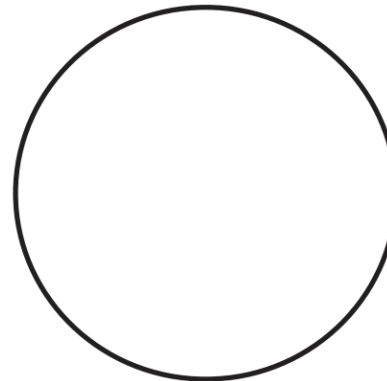
gravel □



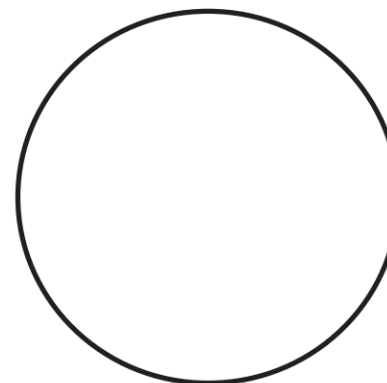
pebbles

River Rocks by Size

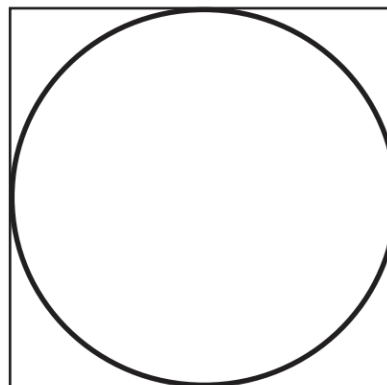
How else can rocks be sorted by size?



sand □



gravel □



pebbles

The Story of Sand

Put these rock names in order by size from the largest to the smallest.

sand cobble gravel boulder pebble

largest _____

smallest _____

Tell the story of sand in your own words.

The Story of Sand

Put these rock names in order by size from the largest to the smallest.

sand cobble gravel boulder pebble

largest _____

smallest _____

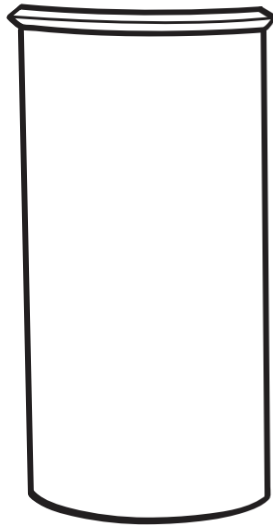
Tell the story of sand in your own words.

Focus Question How else can rocks be sorted by size?	Focus Question How else can rocks be sorted by size?

Sand and Water Drawing

Is there an earth material smaller than sand?

Draw what you see in the vial.

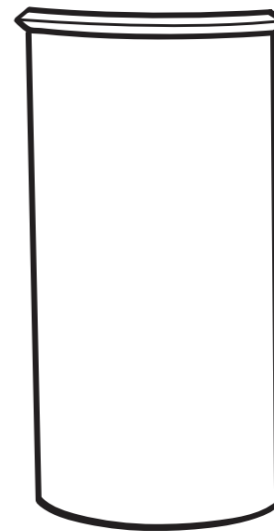


This vial has water and _____

Sand and Water Drawing

Is there an earth material smaller than sand?

Draw what you see in the vial.



This vial has water and _____

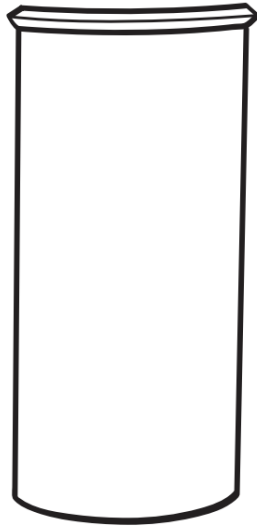
Focus Question Is there an earth material smaller than sand?	Focus Question Is there an earth material smaller than sand?

--	--

Clay and Water Drawing

What earth material is smaller than silt?

Draw what you see in the vial.

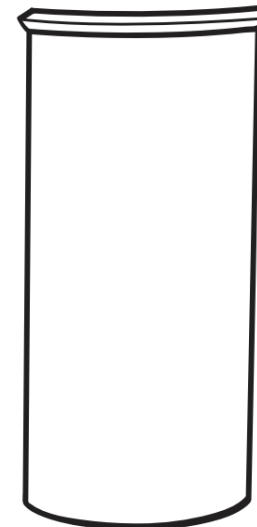


This vial has water and

Clay and Water Drawing

What earth material is smaller than silt?

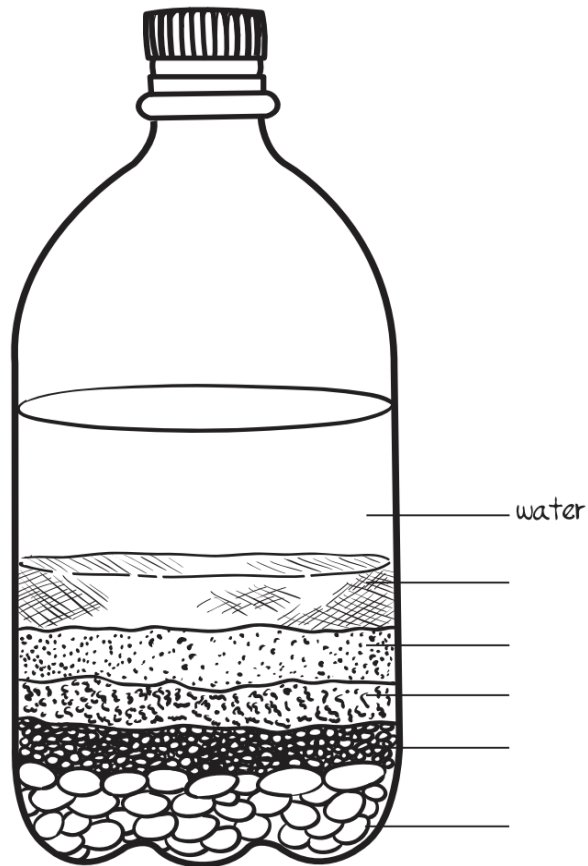
Draw what you see in the vial.



This vial has water and

Rocks in Bottle Drawing

A student used rocks of different sizes to make layers in the bottle with water. Label the layers in the bottle drawing.

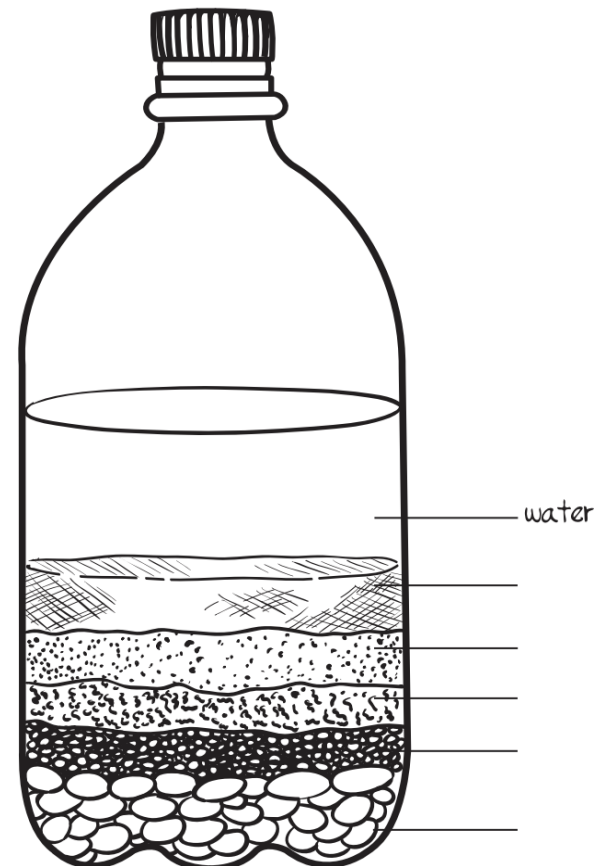


FOSS Next Generation
© The Regents of the University of California
Can be duplicated for classroom or workshop use.

Pebbles, Sand, and Silt Module
Investigation 2: River Rocks
No. 11—Notebook Master

Rocks in Bottle Drawing

A student used rocks of different sizes to make layers in the bottle with water. Label the layers in the bottle drawing.



FOSS Next Generation
© The Regents of the University of California
Can be duplicated for classroom or workshop use.

Pebbles, Sand, and Silt Module
Investigation 2: River Rocks
No. 11—Notebook Master

Focus Question	Focus Question
What earth material is smaller than silt? How does water and wind change landforms?	What earth material is smaller than silt? How does water and wind change landforms?

--	--

Rocks in Use

Material Object/Place	Clay	Sand	Gravel	Pebbles	Cobbles	
Brick wall						
Concrete steps						
Plant pot						
Playground						
Sidewalk						
Trash can						

Concrete and mortar contain gravel, sand, and cement powder.

Rocks in Use

Material Object/Place	Clay	Sand	Gravel	Pebbles	Cobbles	
Brick wall						
Concrete steps						
Plant pot						
Playground						
Sidewalk						
Trash can						

Concrete and mortar contain gravel, sand, and cement powder.

Focus Question How do people use earth materials?	Focus Question How do people use earth materials?

--	--

Looking at Sandpaper

What does sand do for sandpaper?

Make a rubbing of the sandpaper.

Label each texture.

fine medium coarse

Looking at Sandpaper

What does sand do for sandpaper?

Make a rubbing of the sandpaper.

Label each texture.

fine medium coarse

Focus Question What does sand do for sandpaper?	Focus Question What does sand do for sandpaper?

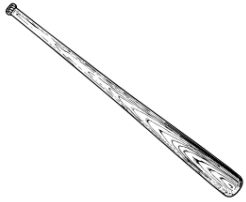
Focus Question How can we make a sand sculpture?	Focus Question How can we make a sand sculpture?

--	--

Uses of Earth Materials

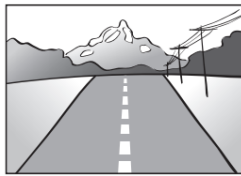
Circle the things that are made from earth materials.

Name the earth material each is made from.









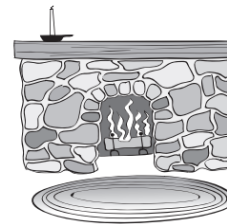
Uses of Earth Materials

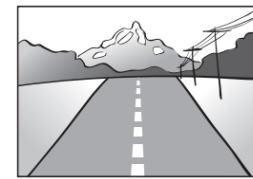
Circle the things that are made from earth materials.

Name the earth material each is made from.









Focus Question What makes clay useful in making objects like beads?	Focus Question What makes clay useful in making objects like beads?

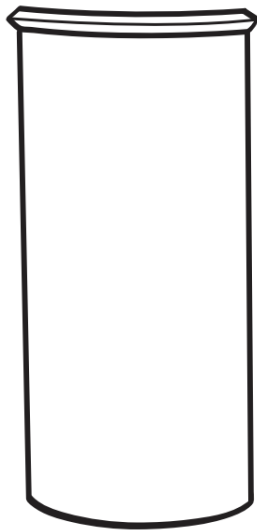
Focus Question How are bricks made?	Focus Question How are bricks made?

--	--

Homemade Soil with Water

What is soil?

Draw what you see in the vial.

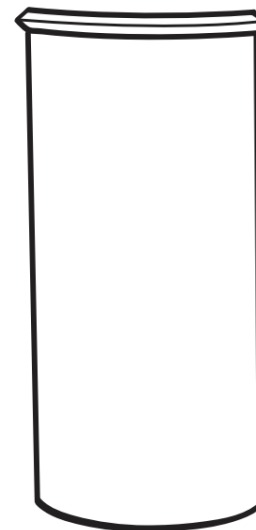


We made this soil in class using _____

Homemade Soil with Water

What is soil?

Draw what you see in the vial.



We made this soil in class using _____

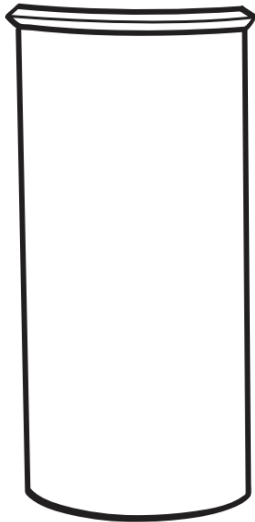
Focus Question What is soil?	Focus Question What is soil?

--	--

Local Soil with Water

How do soils differ?

Draw what you see in the vial.

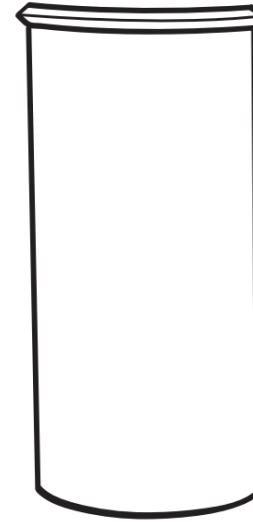


We found this soil near the _____

Local Soil with Water

How do soils differ?

Draw what you see in the vial.



We found this soil near the _____

Focus Question How do soils differ?	Focus Question How do soils differ?

--	--

Water in Our Community

Where is water found in our community?

Draw what you see at one location.

Water in Our Community

Where is water found in our community?

Draw what you see at one location.

Focus Question Where is water found in our community?	Focus Question Where is water found in our community?

Focus Question How can soil erosion be reduced?	Focus Question How can soil erosion be reduced?

--	--