

RIVER MODEL OBSERVATION DATA SHEET PART I



Student Pages

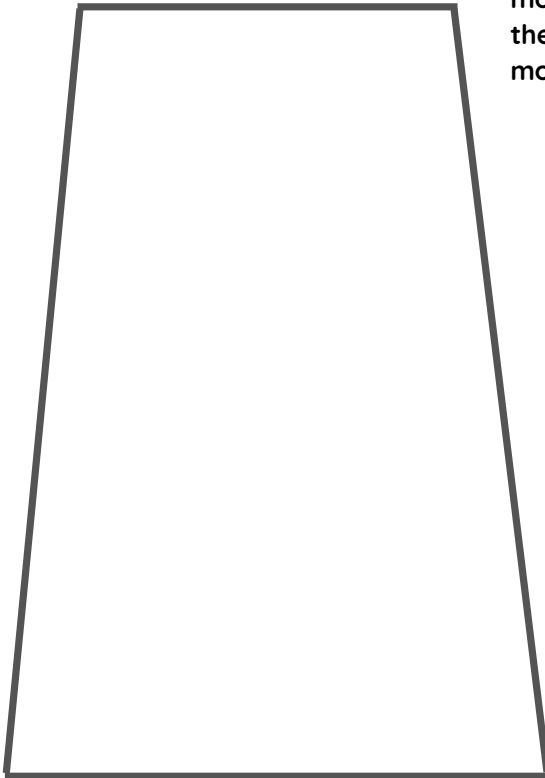
Print instructions: Print single sided.



QUESTION: How does water flow affect the shape of the river?

OBSERVATION HYPOTHESIS (What changes (if any) do you think you will observe?):

MODEL OBSERVATIONS BEFORE THE CHANGE:



Draw your river model before adding the water to your model.

Traceable River ____

Year ____

Length of channel:

_____ cm

Width of channel:

_____ cm

Depth of channel

_____ cm

Describe the shape of the river channel using the vocabulary words found in the teachers guide.

VOCABULARY

MATERIALS:

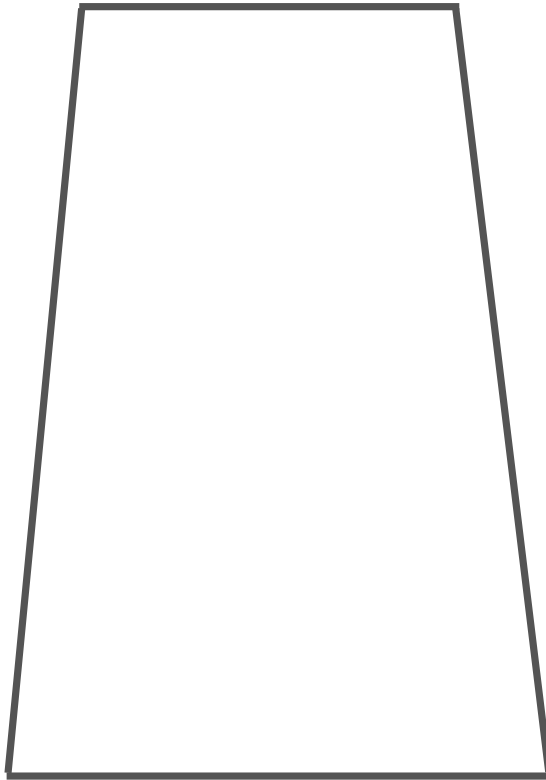
Now go do the investigation and collect your data!

STOP

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RIVER MODEL OBSERVATION DATA SHEET PART I

MODEL OBSERVATIONS AFTER THE CHANGE:



Traceable River ____
Year ____

Length of channel:
_____cm

Width of channel:
_____cm

Depth of channel
_____cm

Describe the shape of the river channel using your science and River Guide words

What does this model show? (advantages)

What does this model not show? (limitations)

How can you improve the model?

CONCLUSION (was your hypothesis correct?):

Based on your findings, do you think the countries should have cemented in the river? Why or why not?



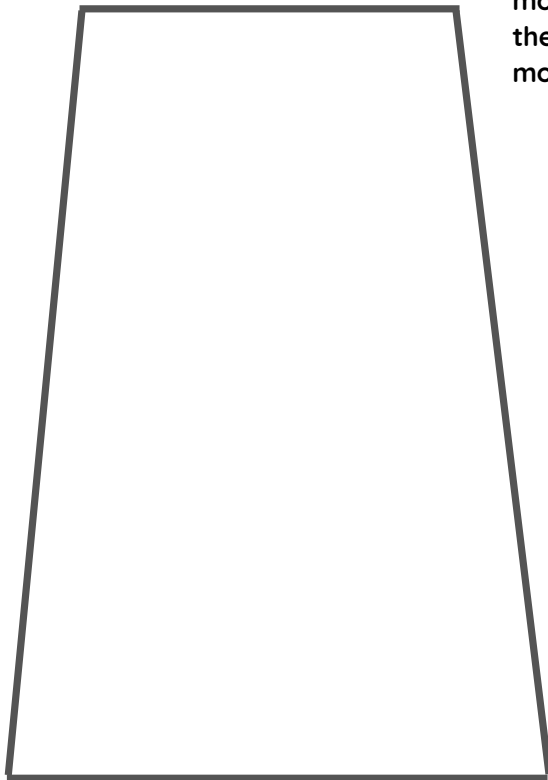
RIVER MODEL OBSERVATION DATA SHEET PART 2



QUESTION: What materials slow the changes caused by weathering and erosion?

OBSERVATION HYPOTHESIS (What changes (if any) do you think you will observe?):

MODEL OBSERVATIONS BEFORE THE CHANGE:



Draw your river model before adding the water to your model.

Traceable River ___

Year ___

Length of channel:

_____cm

Width of channel:

_____cm

Depth of channel

_____cm

Describe the materials that you used to construct your channel and why you believe that your channel will withstand erosion:

VOCABULARY

MATERIALS:

Now go do the investigation and collect your data!

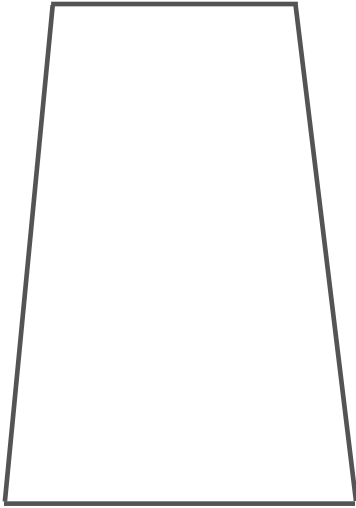


RIVER MODEL OBSERVATION DATA SHEET PART 2

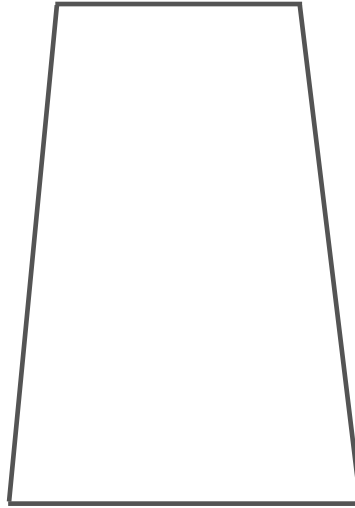
MODEL OBSERVATIONS AFTER THE CHANGE:

Draw your model after each trial and label any signs of erosion

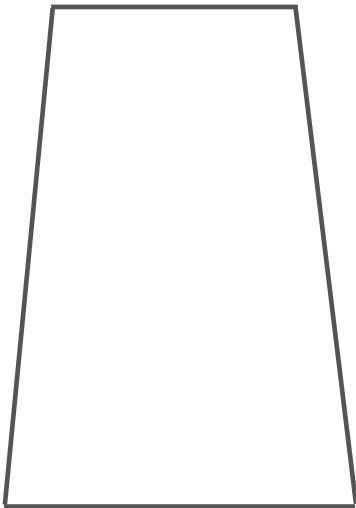
Trial 1



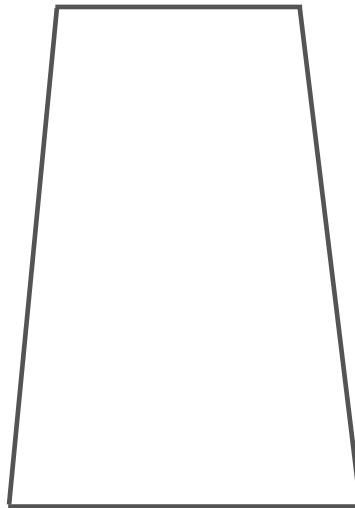
Trial 2



Trial 3



Trial 4



What does this model show?
(advantages)

What does this model not
show? (limitations)

How can you improve the
model?

CONCLUSION (was your hypothesis correct?):

Based on your findings, do you think that cementing in the river was the only way to prevent erosion? Why or why not?



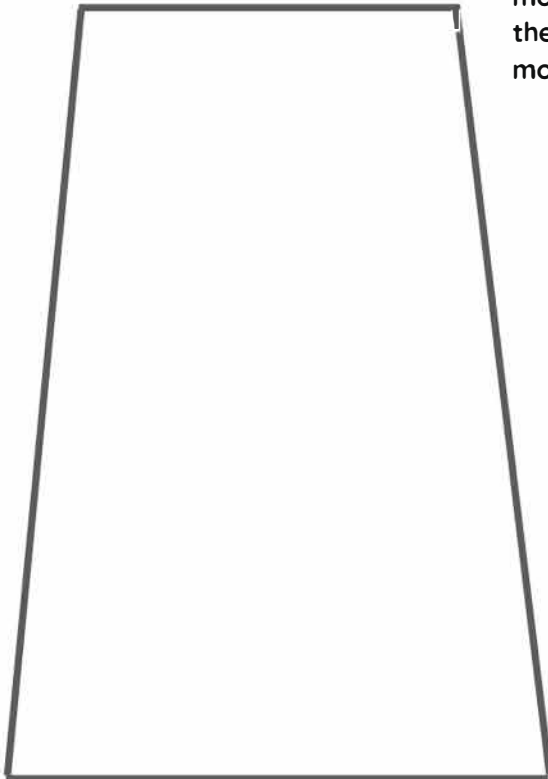
RIVER MODEL OBSERVATION DATA SHEET PART 3



QUESTION:

OBSERVATION HYPOTHESIS (What changes (if any) do you think you will observe?):

MODEL OBSERVATIONS BEFORE THE CHANGE:



Draw your river model before adding the water to your model.

Traceable River ____
Year ____

Length of channel:
_____cm

Width of channel:
_____cm

Depth of channel
_____cm

Describe your river model using your science words and River Guide Words.

VOCABULARY

MATERIALS:

Now go do the investigation and collect your data!

STOP

RIVER MODEL OBSERVATION DATA SHEET PART 3

DESIGN YOUR DATA COLLECTION TO RECORD YOUR OBSERVATIONS:

What does this model show?
(advantages)

What does this model not
show? (limitations)

How can you improve the
model?

CONCLUSION (was your hypothesis correct?):

Based on your findings, how does your model relate to the world around you?

