

SAMPLE ITEMS

Previous and College and Career Ready

Previous Science Item (8th Grade)

Science



- 17** The movement of sediment in a stream depends on the size of the sediment and the speed of the stream.

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Sediment Size

Sediment	Approximate Size
silt	3.9 micrometers–62.4 micrometers
sand	62.5 micrometers–1.9 millimeters
gravel	2 millimeters–64 millimeters

A stream's path becomes partially blocked, which causes the speed of the stream to decrease.

Which statement best describes the sediment that would deposit first on the bottom of the stream?

- A** silt that formed from folding and faulting
- B** silt that formed from weathering and erosion
- C** gravel that formed from folding and faulting
- D** gravel that formed from weathering and erosion

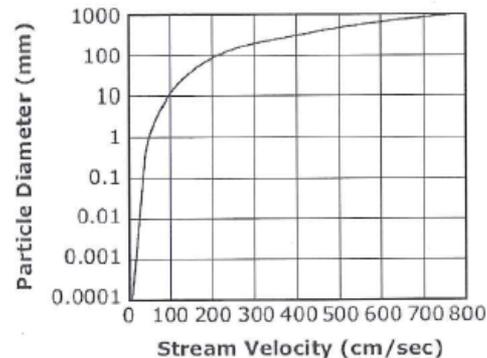
New Science Item (8th Grade)

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Stream Particle Types and Diameters

Particle Name	Diameter (mm)
Clay	Less than 0.004
Silt	0.004–0.06
Sand	0.07–2
Granule	2.1–4
Pebble	4.1–64
Cobble	64.1–256
Boulder	Greater than 256

Stream Velocity vs. Particle Sizes



Based on these data, which statement best describes what happens in a stream with a velocity of 100 cm/sec?

- A Erosion of cobbles and boulders occurs at bends and in areas with rapids.
- B Landforms like dunes and ripples form when silt and sand are deposited.
- C The stream channel becomes V-shaped as pebbles and cobbles are carried downstream.
- D Features like bars made of some pebble-sized particles are formed by deposition.

Previous Writing Assessment

(5th/8th Grade)

“Think about a time when you really wanted something and finally got it. Write an essay describing what happened and explain how you felt afterward. Support your ideas with reasons and develop your writing with details and examples.

New Writing Assessment

(5th/8th Grade)

STUDENT DIRECTIONS

You have read three texts describing Amelia Earhart. All three include the claim that Earhart was a brave, courageous person.

The three texts are:

“Biography of Amelia Earhart”

“Earhart's Final Resting Place Believed Found”

“Amelia Earhart’s Life and Disappearance”

Consider the argument each author uses to demonstrate Earhart’s bravery. Write an essay that analyzes the strength of the arguments about Earhart’s bravery in at least two of the texts. Remember to use textual evidence to support your ideas.