

Name: _____

1.

Transported sediments are usually deposited at locations in which

1. the freeing and thawing of water occurs
2. the chemical breakdown of rocks occurs
3. a decrease in the speed of the agent of erosion occurs
4. an increase in the physical weathering of rocks occurs

2.

The map shows a stream flowing into a lake. Letters *A* through *F* represent locations in the stream and lake.

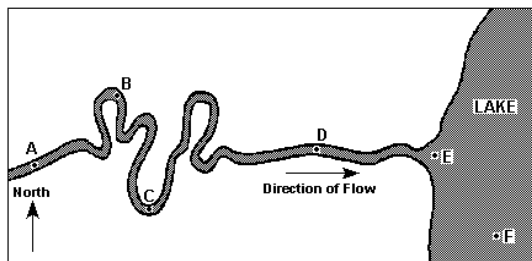


Figure 1

Where would the greatest amount of sediments most likely be deposited by this stream?

1. *E* 3. *F*
2. *B* 4. *D*

3.

The data table shows the results of an activity in which three samples of copper (*A*, *B*, and *C*) of equal mass were timed as they settled to the bottom of a column of water.

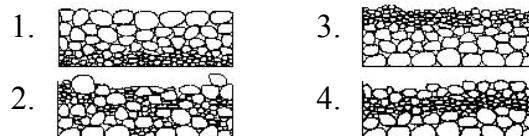
Sample	Settling Time (seconds)
<i>A</i>	13.10
<i>B</i>	13.75
<i>C</i>	13.50

The differences in the settling time of the three samples are probably due to differences in their

1. density 3. color
2. composition 4. shape

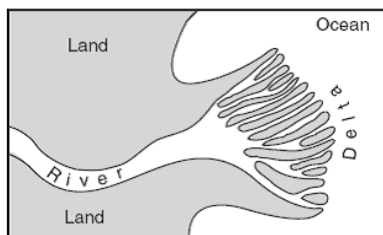
4.

Quartz particles of various sizes are dropped at the same time into deep, calm water. Which cross section best represents the settling pattern of these particles?

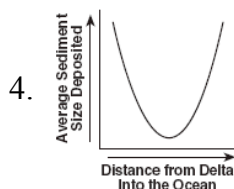
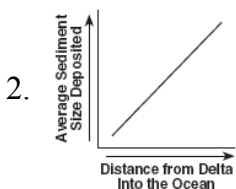
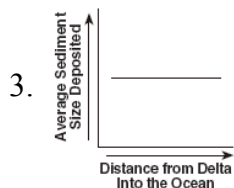
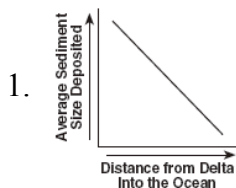


5.

The map below shows a river emptying into an ocean, producing a delta.



Which graph best represents the relationship between the distance from the river delta into the ocean and the average size of sediments deposited on the ocean floor?



6.

The diagrams show two views of the same river flowing from a lake to an ocean bay.

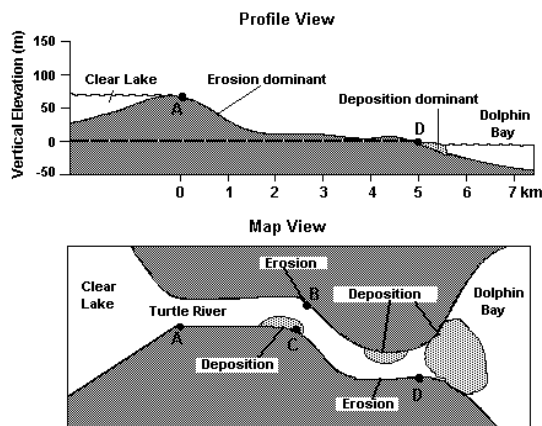
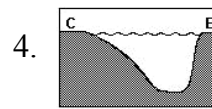
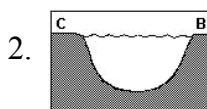
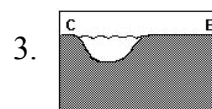
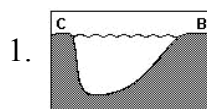


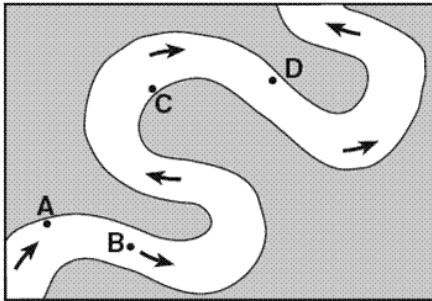
Figure 2

Which diagram below best represents the profile of the river bottom between points C and B?



7.

The map below shows a meandering stream. Points *A*, *B*, *C*, and *D* represent locations along the stream bottom.



At which location is the greatest amount of sediment most likely being deposited?

1. *A* 3. *C*
2. *B* 4. *D*

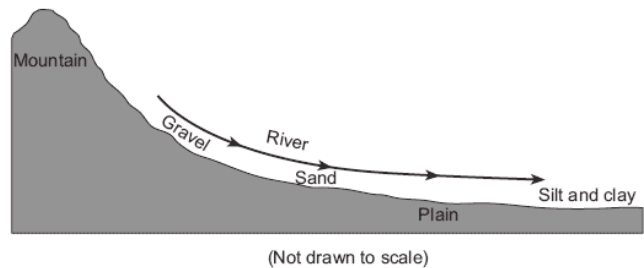
8.

As the velocity of a stream transporting pebbles, sand, silt, and clay decreases from 30 cm/s to 0.1 cm/sec, some sediment deposition will occur. Which choice below best describes the sediments that will be deposited as a result of the decrease in stream velocity?

1. pebbles, sand and some silt
2. clay and some silt
3. pebble, sand, silt, and most of the clay
4. only some sand and clay

9.

The cross section below illustrates the general sorting of sediment by a river as it flows from a mountain to a plain.



Which factor most likely caused the sediment to be sorted in the pattern shown?

1. velocity of the river water
2. hardness of the surface bedrock
3. mineral composition of the sediment
4. temperature of the water

10.

Base your answer to question on the diagrams below. Diagrams *A*, *B*, and *C* represent three different river valleys.

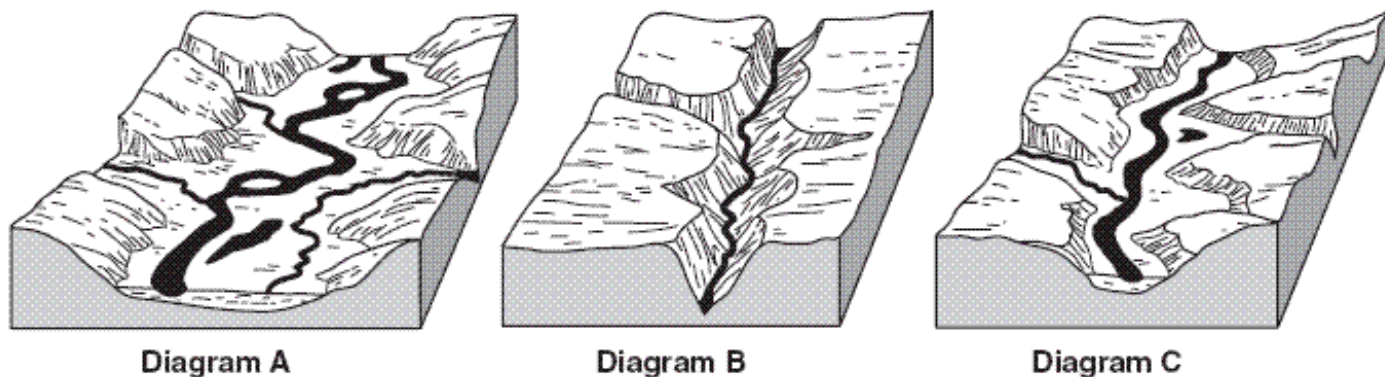


Figure 3

Most sediments found on the floodplain shown in diagram *A* are likely to be

1. angular and weathered from underlying bedrock
2. angular and weathered from bedrock upstream
3. rounded and weathered from underlying bedrock
4. rounded and weathered from bedrock upstream

Answer Key for Review - Running Water (Deposition)

1. 3	5. 1	9. 1
2. 1	6. 4	10. 4
3. 4	7. 3	
4. 3	8. 1	