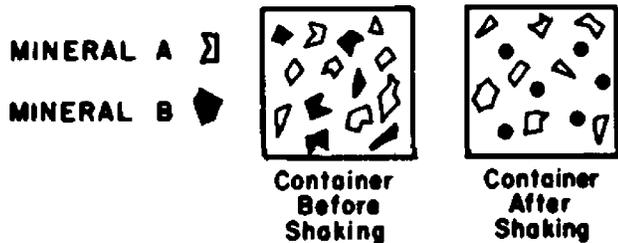


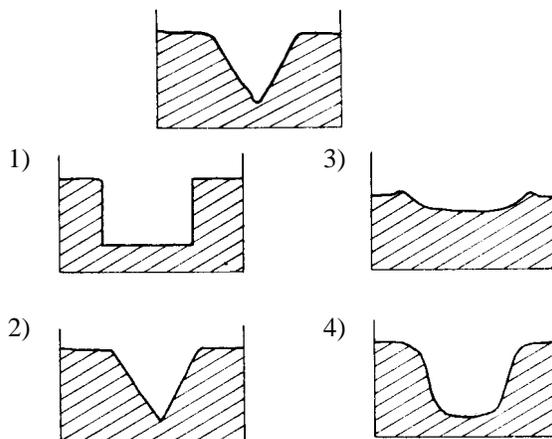
- Which type of soil would water infiltrate most slowly?
 - silt
 - pebbles
 - fine sand
 - fine clay
- Which property of water makes frost action a common and effective form of weathering?
 - Water dissolves many earth materials.
 - Water expands when it freezes.
 - Water cools the surroundings when it evaporates.
 - Water loses 334 Joules of heat per gram when it freezes.
- Water is a major agent of chemical weathering because water
 - cools the surroundings when it evaporates
 - dissolves many of the minerals that make up rocks
 - has a density of about one gram per cubic centimeter
 - has the highest specific heat of all common earth materials
- Two different kinds of minerals, *A* and *B*, were placed in the same container and shaken for 15 minutes. The diagrams below represent the size and shape of the various pieces of mineral before and after shaking. What caused the resulting differences in shapes and sizes of the minerals?

KEY:



- Mineral *B* was shaken harder.
 - Mineral *B* had a glossy luster.
 - Mineral *A* was more resistant to abrasion.
 - Mineral *A* consisted of smaller pieces before shaking began.
- A large rock is broken into several smaller pieces. Compared to the rate of weathering of the large rock, the rate of weathering of the smaller pieces is
 - less
 - greater
 - the same
 - Which change would cause the topsoil in West Virginia to increase in thickness?
 - an increase in slope
 - an increase in biologic activity
 - a decrease in rainfall
 - a decrease in air temperature

- The major source of sediments found on the deep ocean bottom is
 - erosion of continental rocks
 - submarine landslides from the mid-ocean ridges
 - icebergs that have broken off of continental glaciers
 - submarine volcanic eruptions
- For which movement of earth materials is gravity *not* the main force?
 - sediments flowing in a river
 - boulders carried by a glacier
 - snow tumbling in an avalanche
 - moisture evaporating from an ocean
- Stream *A* has a steeper slope than stream *B*. However, the average water velocity of stream *B* is greater than that of stream *A*. Which is the most reasonable explanation for this?
 - Stream *B* has more friction to overcome along its banks.
 - Stream *B* has a higher average temperature.
 - Stream *B* has a greater volume of water.
 - Stream *B* has a curved streambed.
- The diagram below represents a stream valley. Which diagram below best shows how this valley might be modified after a glacier has moved through it?



- Most of the surface bedrock in New York State south of latitude 43° N. and west of longitude 75° W. was formed during which period?
 - Silurian
 - Devonian
 - Cambrian
 - Ordovician

12. Based on the diagrams of rock fragments below, which shows the *least* evidence of erosion?

1)



3)



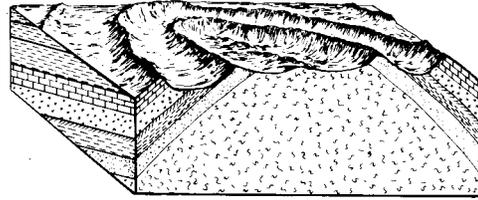
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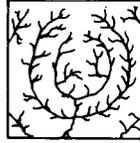
4)



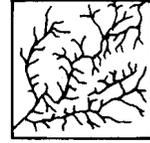
13. Which kind of stream pattern would most likely be found on the type of landscape shown in the diagram?



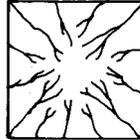
1)



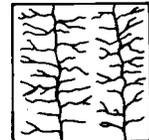
3)



2)



4)



Answer Key
[New Exam]

1. 4

2. 2

3. 2

4. 3

5. 2

6. 2

7. 1

8. 4

9. 3

10. 4

11. 2

12. 4

13. 1
