



Name _____ Class _____ Date _____

1 A stream with a **water velocity** of 150 centimeters per second **decreases** to a velocity of 100 centimeters per second. Which **sediment size** will most likely be **deposited**?

- A pebbles
- B sand
- C boulders
- D cobbles



2 During the intrusion of the Palisades Sill, **contact metamorphism changed sandstone and shale into**

- A diorite
- B marble
- C limestone
- D hornfels



3 Which **process** most likely formed a layer of the sedimentary rock, **gypsum**?

- A precipitation from seawater
- B solidification of magma
- C folding of clay-sized particles
- D melting of sand-sized particles



4 Which **nonfoliated rock** forms only in a **zone of contact metamorphism**?

- A conglomerate
- B hornfels
- C pegmatite
- D quartzite



5



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7

- B metamorphism of unmelted rock material
- C deposition of quartz sand
- D explosive eruption of lava from a volcano



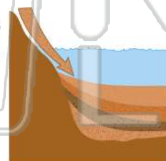
- A slate
- B dunite
- C gneiss
- D quartzite



9

Which property best describes a rock which has **formed from sediments**?

- A crystalline structure
- B distorted structure
- C banding or zoning of minerals
- D fragmental particles arranged in layers



10

Which igneous rock, when weathered, could **produce sediment** composed of the minerals **potassium feldspar, quartz, and amphibole**?

- A gabbro
- B granite
- C andesite
- D basalt





ANSWER KEY

A stream with a **water velocity** of 150 centimeters per second **decreases** to a velocity of 100 centimeters per second. Which **sediment size** will most likely be **deposited**?

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(a)

During the intrusion of the Palisades Sill, **contact metamorphism changed sandstone and shale into**

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(d)

Which **process** most likely formed a layer of the sedimentary rock, **gypsum**?

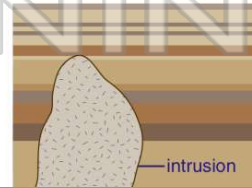
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(a)

Which **nonfoliated rock** forms only in a **zone of contact metamorphism**?

- A conglomerate
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(b)



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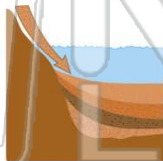
- C deposition of quartz sand
- D explosive eruption of lava from a volcano

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- C gneiss
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Which property best describes a rock which has **formed from sediments**?

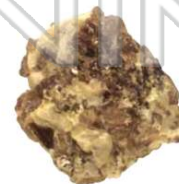
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(d)

Which igneous rock, when weathered, could **produce sediment** composed of the minerals **potassium feldspar, quartz, and amphibole**?

- A gabbro
- B granite
- C andesite
- D basalt



(b)