

**Are your ES resources (ESRTs, notes, classwork) in front of you?**

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**Highlight / Underline  
Important Information**

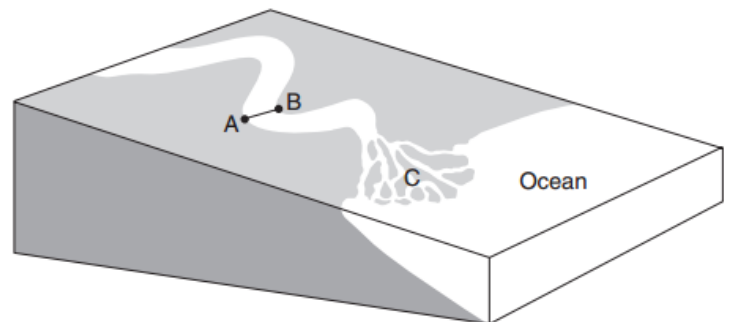
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Base your answer to the following question on the block diagram below and on your knowledge of Earth Science. The diagram represents a meandering stream flowing into the ocean. Points A and B represent locations along the streambanks. Letter C indicates a triangular feature where the stream enters the ocean.

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**Mark up the diagram.**

What information does it give you?



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**Question:** Determine what is given and what you are looking for. Do you need your ESRTs?

The stream is travelling at 5 cm/s as it enters the ocean. What sediment will first be deposited as the stream starts to slow down?

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**Answer:** Solve the problem and check your work.

Answer: \_\_\_\_\_

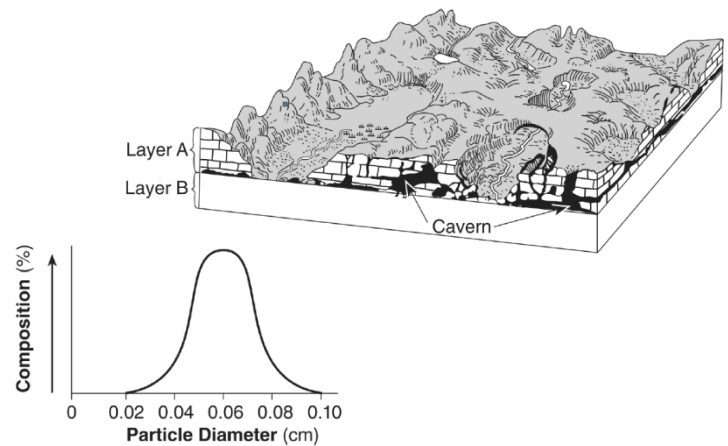
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Base your answer to the following question on the block diagram and graph below. The block diagram shows the landscape features of an area of Earth's crust. Two sedimentary rock layers, A and B are labeled in the diagram. The rock symbol for layer B has been omitted. The graph shows the particle sizes that compose the clastic sedimentary rock layer B.

Mark up the diagram.

What information does it give you?



**Question:** Determine what is given and what you are looking for. Do you need your ESRTs?

In the box below, draw the map symbol that represents sedimentary rock layer B.

**Answer:** Solve the problem and check your work.

Answer:



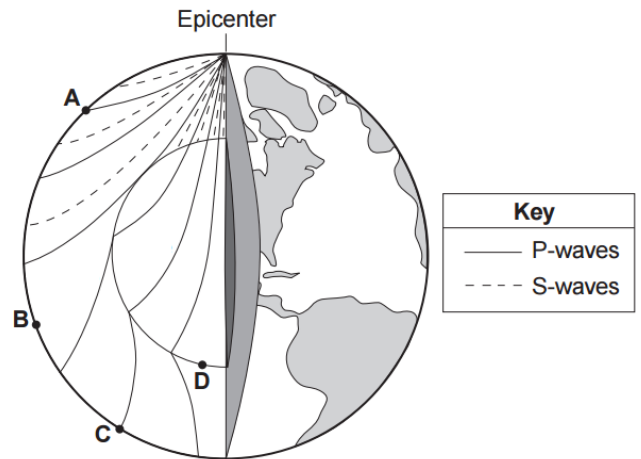
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Base your answer to question on the diagram below and on your knowledge of Earth science. The diagram represents a cut-away view of Earth's interior and the paths of some of the seismic waves produced by an earthquake that originated below Earth's surface. Points A, B, and C represent seismic stations on Earth's surface. Seismic station A is 5000 kilometers from the epicenter. Point D represents a location at the boundary between the core and the mantle.

**Mark up the diagram.**

What information does it give you?



What is the difference between the arrival time of the first P-wave and the arrival time of the first S-wave recorded at station A?

**Question:** Determine what is given and what you are looking for. Do you need your ESRTs?

**Answer:** Solve the problem and check your work.

Answer: \_\_\_\_\_