

What is the Depth of Knowledge level for each of the following? (low, moderate, high)

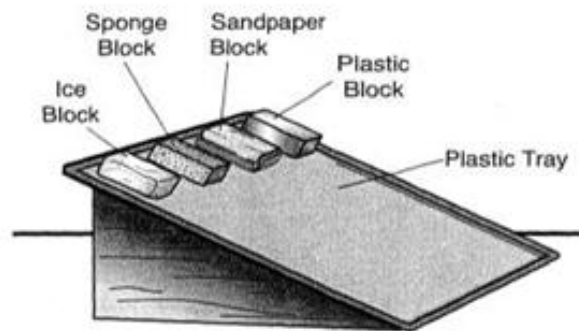
A. \_\_\_\_\_

B. \_\_\_\_\_

C. \_\_\_\_\_

A.

Felipe and Marsha were studying forces and decided to do an experiment. They placed four equally sized blocks made of different materials on an elevated plastic tray. They watched the blocks move down the tray. Their setup is shown below.

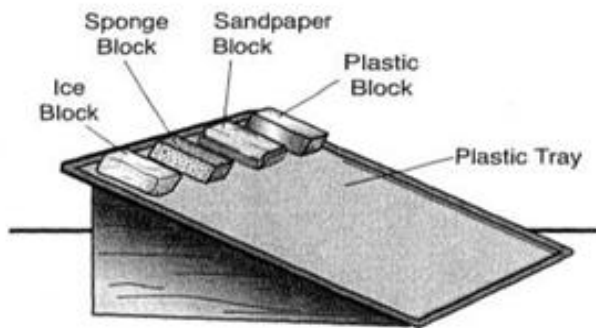


Which block would experience the **least** amount of friction as it moved down the tray?

- A. Ice Block
- B. Sponge Block
- C. Sandpaper Block
- D. Plastic Block

B.

Felipe and Marsha were studying forces and decided to do an experiment. They placed four equally sized blocks made of different materials on an elevated plastic tray. They watched the blocks move down the tray. Their setup is shown below.



How will changing the angle of the tray affect the movement of the blocks down the tray? Be sure your answer addresses the forces that affect the movement of the blocks.

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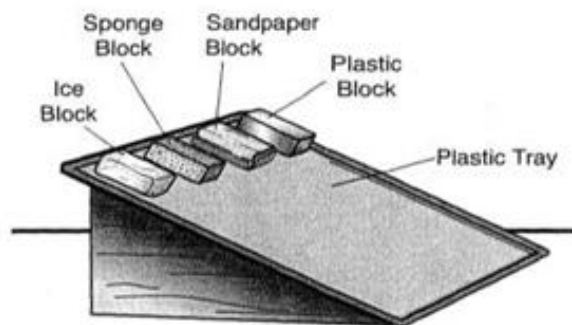
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C.

Felipe and Marsha were studying forces and decided to do an experiment. They placed four equally sized blocks made of different materials on an elevated plastic tray. They watched the blocks move down the tray. Their setup is shown below.



Which of the following forces causes the blocks to move down the tray?

- A. electric
- B. friction
- C. gravity
- D. magnetic