

ISAT SCIENCE SAMPLE ITEMS 4<sup>th</sup> GRADE  
FOCUS: Simple Machines, Force, Motion

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An object is placed on a table. A magnet is slowly moved toward it. The object moves away from the magnet. The object is most likely —

- A another magnet
- B a piece of glass
- C a copper coin
- D an iron nail

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A force that slows down or stops the motion of a bicycle is —

- A sound
- B heat
- C friction
- D electricity

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Pat found a wooden box in his grandparents' garage. The top was nailed shut. He used a crowbar to pry off the top. What type of simple machine did Pat use?

- A Pulley
- B Lever
- C Inclined plane
- D Wedge

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Which will be attracted to a magnet?

- A Plastic ruler
- B Aluminum foil
- C Copper penny
- D Iron nail

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What happens when two negatively charged particles are next to each other?

- A The particles attract each other.
- B The particles repel each other.
- C One particle becomes uncharged.
- D One particle becomes positively charged.

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Which scientist discovered the laws of motion that describe how forces make objects move?

- A Isaac Newton
- B Sally Ride
- C Thomas Edison
- D Jane Goodall

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Erin wants to make a tool that can be dipped into a bubble solution and used to blow bubbles. Which item would work best?

- A A yardstick
- B A wooden spoon
- C A toothbrush
- D A wire clothes hanger