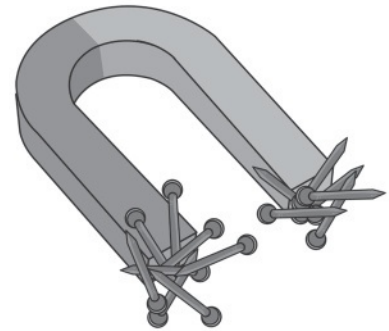


# Magnetic Attraction

**Did You Know?** Magnets attract only certain metals, such as nickel, iron, and cobalt. Most metals, such as copper, silver, gold, and aluminum, are not attracted to magnets. Magnets do not attract non-metallic materials, such as glass or wood. Magnets vary in strength: some can lift a car off the ground, while others can only hold a piece of paper to a refrigerator.



Bai works in a recycling center that uses magnets to sort metal items. The table shows the maximum mass of an object that can be lifted by each magnet.

**Magnet Mass Limits**

Magnet	A	B	C
Mass Limit	1,000 g	10 kg	1,000 kg

- 1** Bai’s supervisor asks her to move some toaster ovens. Bai thinks Magnet B will be the best magnet to pick up the toaster ovens. Do you agree? Explain.

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- 2** Bai needs to pick up some metallic flakes around the computers. Which magnet should she use? Explain.

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- 3 Extension** The recycling center wants to add another magnet to lift objects such as a refrigerator or a car. What would be an appropriate mass limit for the new magnet?

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