

Magnets are forceful

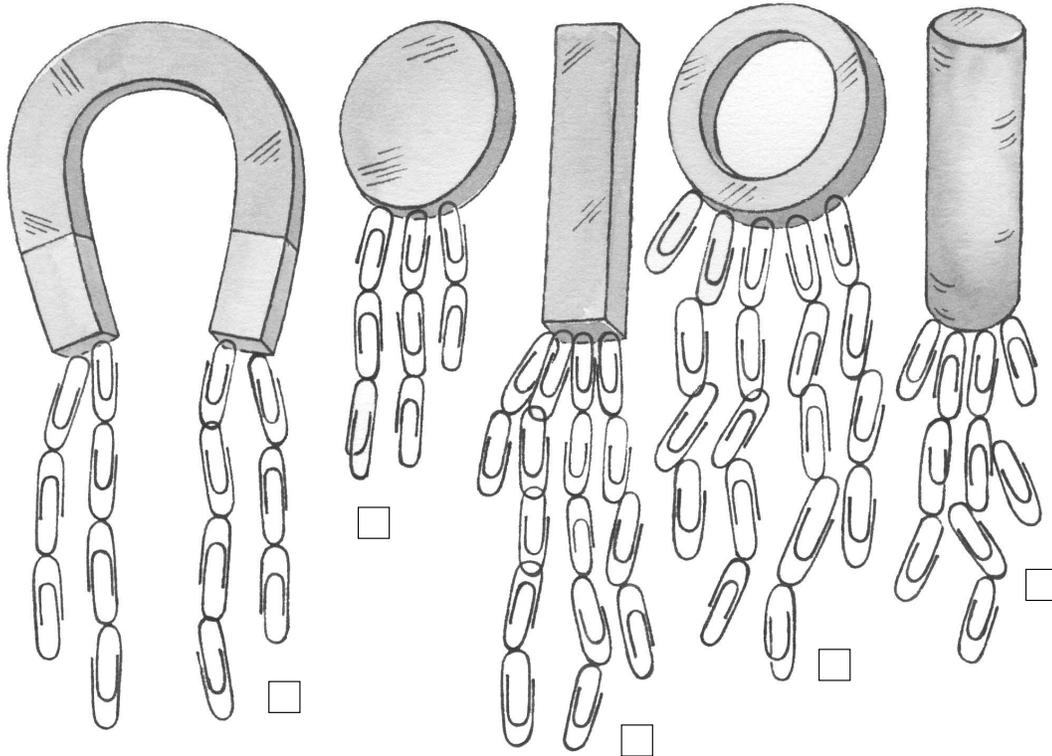


Background knowledge

The most common magnets in a home are used to stick objects to the refrigerator. Magnets come in many different shapes and sizes. For example, some are horseshoe shaped. Others are shaped like rings, bars, discs, and rods. Some magnets pull harder than others. Some special magnets are so strong that they can pick up a car! All magnets can attract things from a distance.

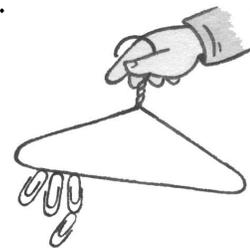
Science activity

Each of the magnets was dipped into a box of steel paper clips. Place a check mark (✓) by the strongest magnet.



Science investigation

Gather some objects made of steel, such as a coat hanger. Obtain a bar magnet and stroke the object in the same direction, making sure to lift the magnet away from the object between strokes. Objects that are attracted to a magnet can be made into temporary magnets. Now design and conduct an experiment to decide which temporary magnet is the strongest.



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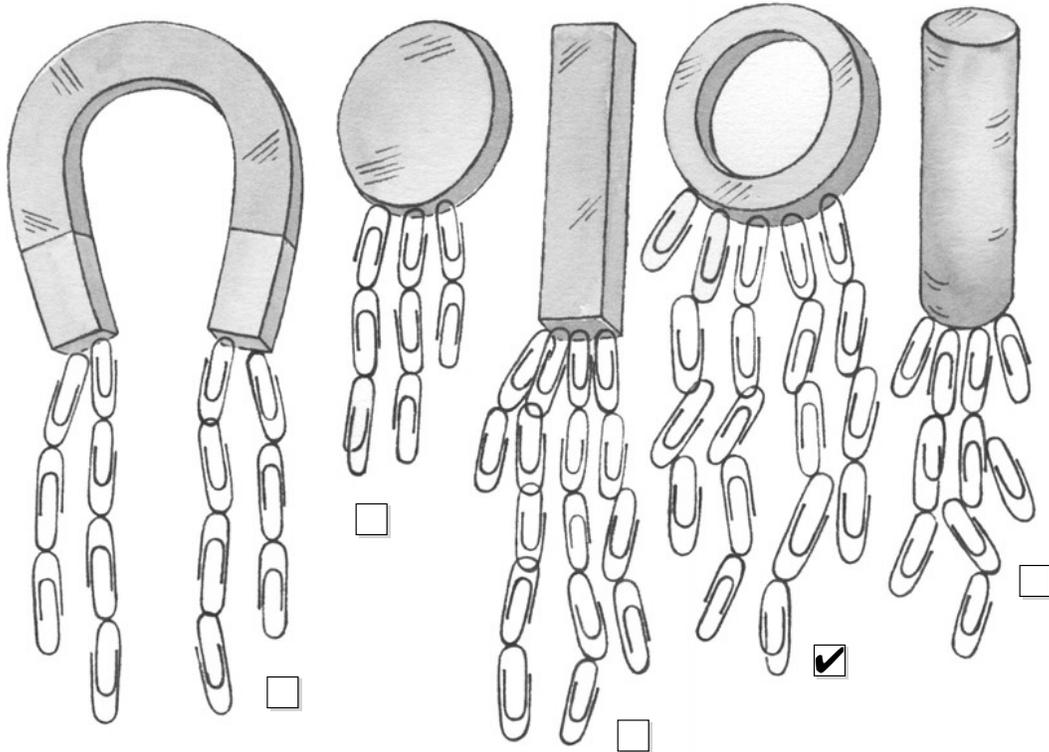


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Science activity

Each of the magnets was dipped into a box of steel paper clips. Place a check mark (✓) by the strongest magnet.



Science investigation

The magnetic field passes into a steel object, turning it into a magnet. Some stainless steel can be magnetized and some cannot. The temporary magnet's strength can be measured by the number of paper clips it picks up.

