








Which statements are True and which statements are False?

WELL DONE!

-  **TRUE / FALSE** **A)** The Earth is a large magnet.
-  **TRUE / FALSE** **B)** Electrical charges are either minus or zero.
-  **TRUE / FALSE** **C)** Things made of iron are attracted to magnets.
-  **TRUE / FALSE** **D)** A magnet can pick something up off the ground without touching it.
-  **TRUE / FALSE** **E)** Electrical charges can attract each other but cannot repel.



Other Forces That Act Without Touching

Like gravity, magnetic force and electrostatic force can also act without touching. **Magnetic force** is the force between magnets, and **electrostatic force** is the force between things with **electrical charges**. Gravity only pulls, but magnetic and electrostatic forces can push or pull. Pulling together is called attraction, and pushing apart is called **repelling**.

Magnets have two ends, called the North Pole and the South Pole. When the north pole of one magnet is brought near the south pole of another magnet, the magnets attract each other, and they stick together. Things made of iron, like nails and paper clips, also stick to magnets. When two north poles or two south poles are brought together

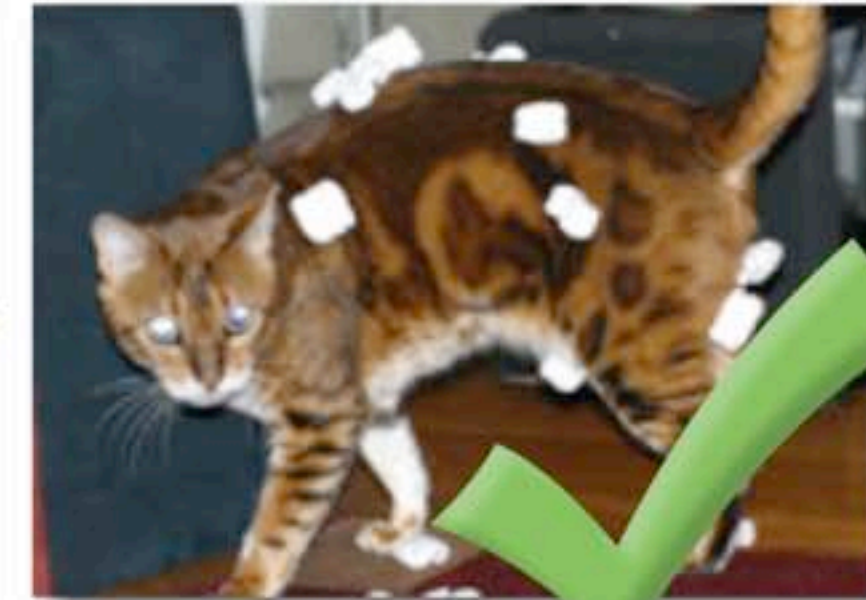
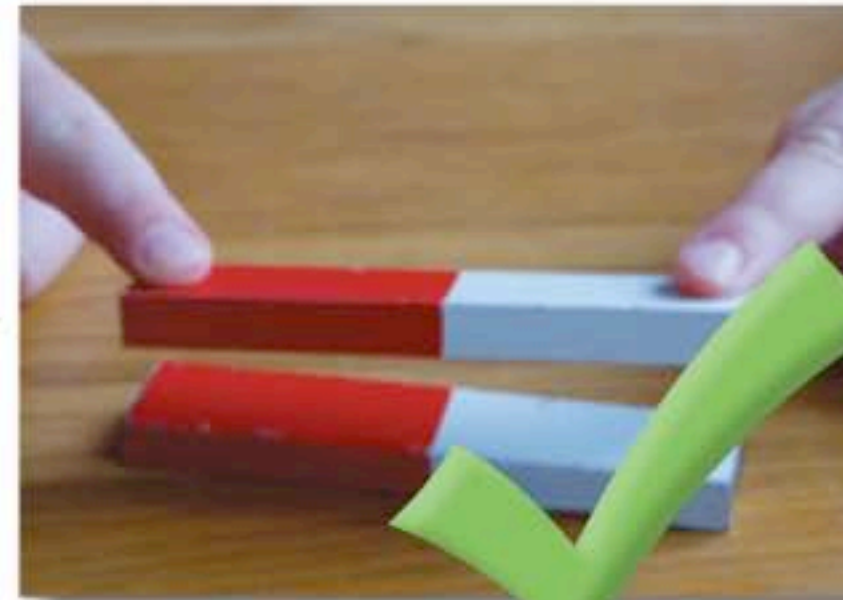


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Electrostatic and Magnetic Force

Electrostatic

Magnetic

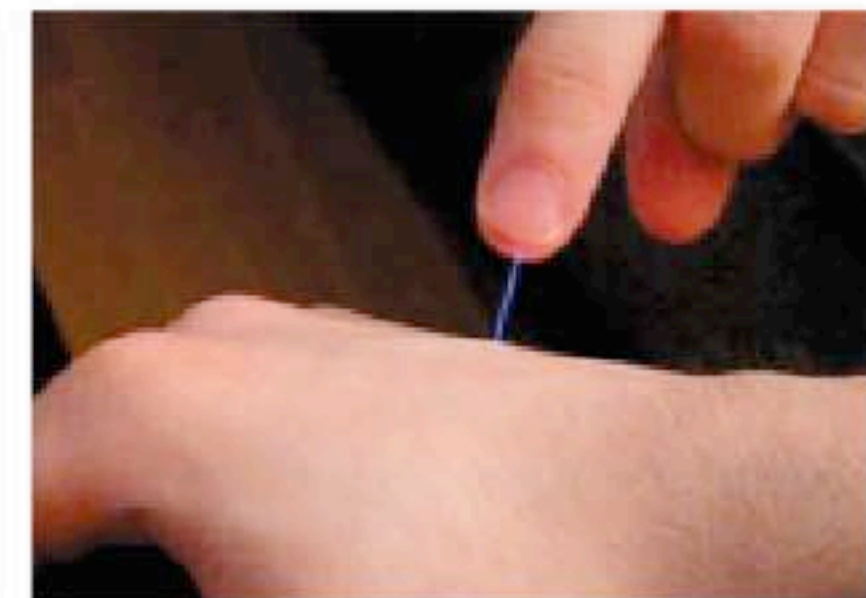


Electrostatic

Electrostatic

Magnetic

Electrostatic



Magnetic

(label)

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Reset