



Science Lab

0507.12.3 Design and explain an investigation exploring the earth's pull on objects

Do magnets have force fields? Use this experiment to show how all magnets have a north and south pole.

Materials:

Plastic zippered bag

Iron fillings

Magnets

1. Put iron fillings in zippered bag.
2. Set the bag on top of the first magnet.
3. The iron fillings should form a pattern to show the location of the north and south poles of the magnet.
4. In your Science Journal, draw a picture of what happened. The greatest clusters of iron fillings should be on the north and south poles.
5. Try this with other magnets.



Also try this – you'll need scissors and a flat, soft magnet.

1. Cut the magnet in half. Press the cut ends back together. What happens?
2. Now turn one of the pieces around. Press the cut end of one piece against the uncut end of the other piece. What happens? Record your observations in your Science Journal.