

EXPERIMENT ZONE

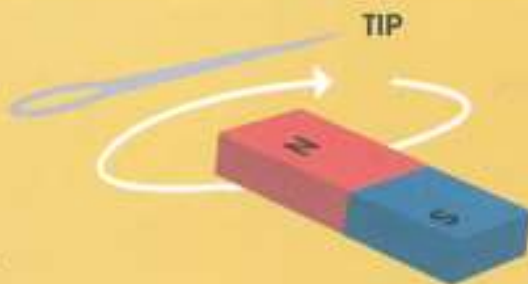


Make a simple compass to see the effect of Earth's magnetic field.

You will need:

- A needle
- A bar magnet
- A circle of cork
- Sticky tack
- A shallow dish of water

1 Stroke the needle from the end to the tip with the north end of a bar magnet about 50 times. This will magnetize the needle.



2 Ask a grown-up to help you stick the magnetized needle across a circle of cork with sticky tack.

3 Float the cork in a dish of water. What happens? Rotate the dish. Does the direction of the needle change?

The tip of the needle will always try to point to the North Pole of the Earth.

