

Magnetic compass experiment:

Material:



Cork

Needle

Magnet

Water

Cutter

Vase

Step 1:

-cut the cork approx. 1cm

Step 2:

-pierce the cork with the needle in the middle.

Step 3:

-Put the water inside the vase.

Step 4:

-magnetize the needle with the magnet South Pole.

Step 5:

-Put the cork and the needle in the water and wait for it to point North.

How does it work?

We know that opposite poles attract. If we magnetize the needle with the South pole of the magnet, the needle will point to the North of the Earth.

How can we know which pole of the magnet we are using?

1: We grab the magnet, and we attach a string to the magnet just by the middle.

2: We attach the other end to the ceiling.

3:We leave the magnet a couple of minutes there and whatever side is facing North then thanks the South pole of the magnet.

How can we know where's the North Pole without having a compass?

We know that the sun rises to the East and hides to the West. If we put our right hand to the East and our left to the West we'll be facing North.