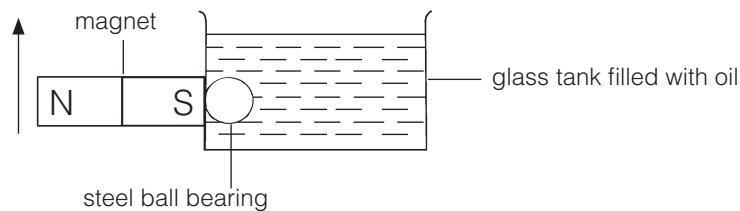


Can Magnetism Pass Through Everything?

The magnetic force (or magnetism) can pass through thin sheets of non-magnetic objects such as paper, glass or wood. However, if the magnet is too weak and the material is too thick, the magnetic force may not be able to pass through.

By putting a magnet on the outside surface of the glass tank filled with oil and slowly moving the magnet upwards, you can guide the steel ball bearing that is in the tank of oil upwards until it is above the surface of the water. The magnetic force is able to pass through the glass and attract the steel ball bearing on the other side.

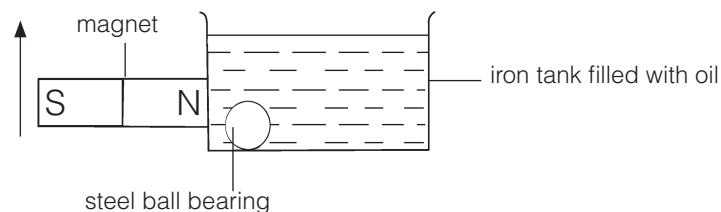
In this way, the steel ball bearing can be removed from the tank without getting your hand oily.



Removing a steel ball bearing from a glass tank using a magnet

If the same steel ball bearing is dropped into an iron tank filled with oil, the magnet sticks to the iron tank. This is because iron is a magnetic material.

The steel ball bearing cannot be attracted to the magnet.



The steel ball bearing cannot be removed from an iron tank using a magnet.