

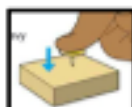


A contact force occurs when two objects physically touch

Contact force



push



pull



twist or **turn** = push + pull



forces act in **opposite** directions

friction is the force that stops things from moving



resistance is a force that slows down an object that is moving



surfaces change how objects move (**motion**) over them

grass



carpet



wood



table



rough



smooth

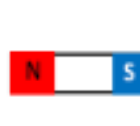


Non-contact force



A force that acts on an object without touching it

magnets



magnets always have a north and south pole

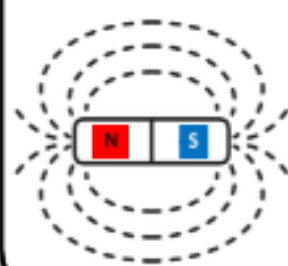
North

South



magnetic field

North

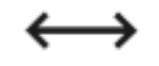


South

opposite poles attract



similar poles repel



magnetic materials



iron and steel

non-magnetic



copper and aluminium

