



Key Vocabulary

Air resistance A force that is caused by air with the force acting in the opposite direction to an object moving through the air

Force -A push or pull upon an object resulting from its interaction with another object

Friction resistance of motion when one object rubs against another

Fair Test when you only change one variable

Gravity -The force that attracts a body towards the centre of the earth

Mass -The weight measured by an objects acceleration under a given force or by the force exerted on it by gravity

Pull force -To draw or haul towards oneself or itself, in a particular direction

Push force -To move something in a specific way by exerting force

Electric Circuit -Composed of different electric components- starts and finishes at the same point.

Conductor -Allows electricity to flow

Insulator -Does not allow electricity to flow

Electricity -A form of energy

5 Facts

- I know the surface in which a vehicle travels on will affect the speed - this force is called friction.
- I know some lots of appliances/objects run on electricity - oven, heating, cars, torches.
- To know a series electric circuit works if it is complete and can include wires, bulbs, batteries, switches and buzzers.
- I know paper, plastic and glass are examples of insulators they do not allow electricity to flow.
- I know copper, sea water, tin foil and silver are conductors they allow electricity to flow.

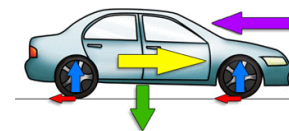


Trains, Planes & Automobiles Kingfishers: Forces



Which ramp will allow the car to travel at the fastest speed?

Why is the vehicle slower on some of the ramps?

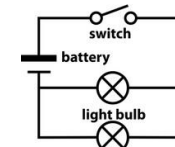


■ weight
■ reaction force
■ driving force
■ friction
■ air resistance

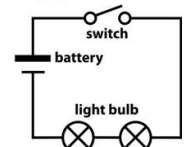
A circuit must be complete to work. We can use switches to break the circuit.



Circuit Types



Parallel Circuit



Series Circuit