



Forces

Forces and definitions

Thrust	This force occurs when two objects rub together. It generates heat and slows things down.
Weight (gravitational force)	This force occurs when something pulls tight on a rope or wire.
Lift	This force is felt when something is moving quickly through air. It slows moving objects down, like parachutes.
Contact	This force is provided to vehicles by an engine.
Air Resistance (Drag)	This is the upward force on wings which helps planes and birds to fly.
Friction	This force occurs when two objects touch.
Upthrust (Buoyancy)	A downward force on all objects due to the pull of a large object such as the Earth.
Tension	An upward force which acts on objects when they are in water and makes them float