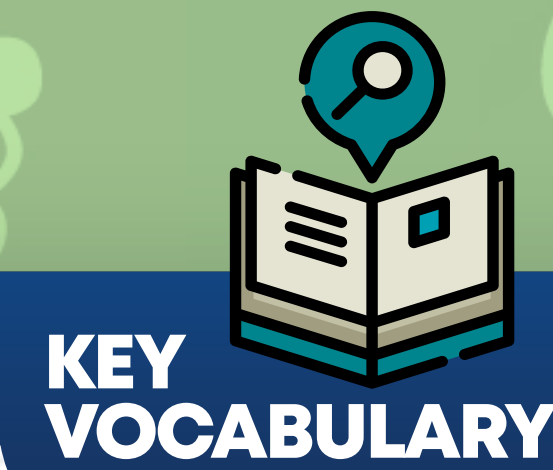
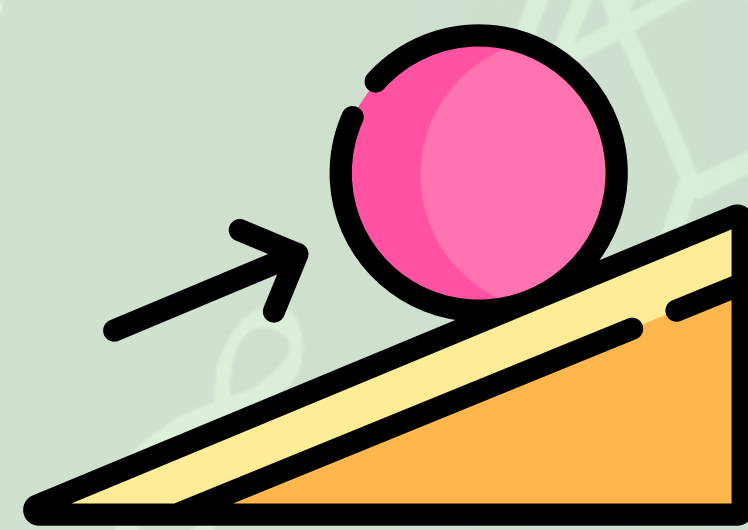




KEY VOCABULARY

force

a **push or a pull**

gravity

a force that **pulls objects towards the centre of the earth**

friction

a force caused by **two surfaces touching each other**

air resistance

a kind of friction that **slows objects down when they travel through air**

water resistance

a kind of friction that **slows objects down when they travel through water**

buoyancy

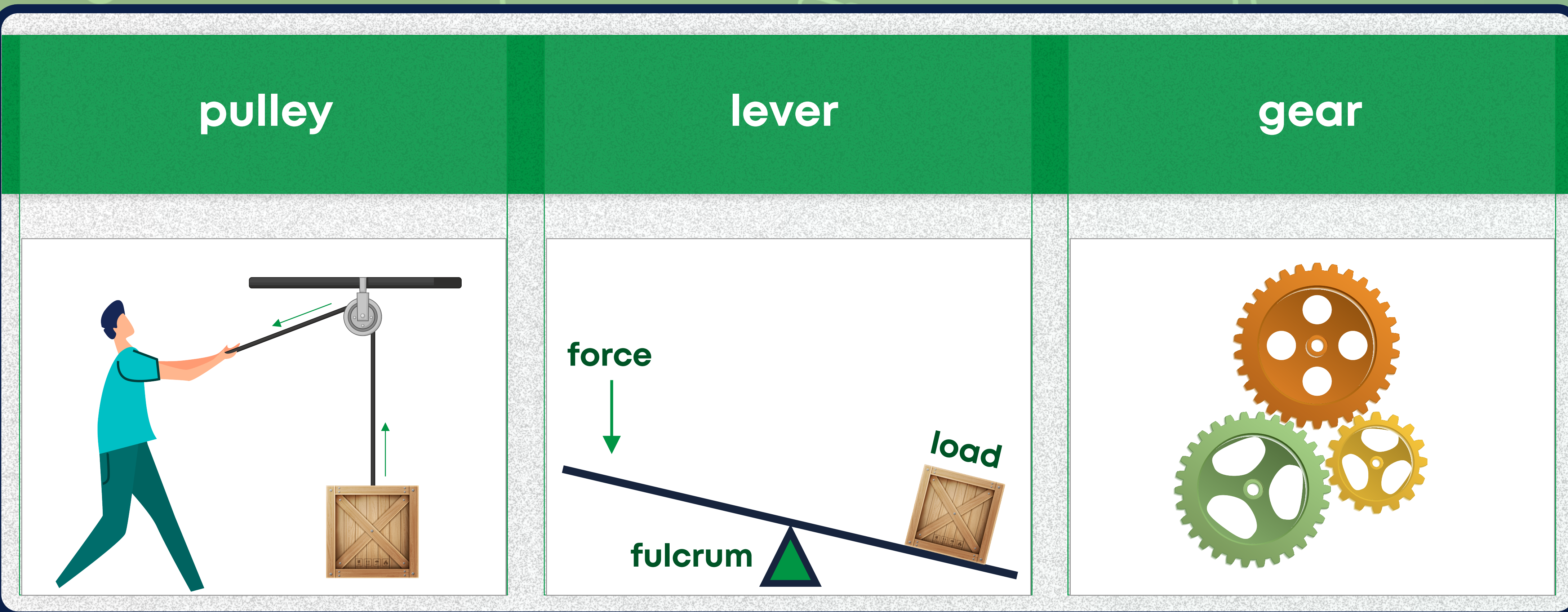
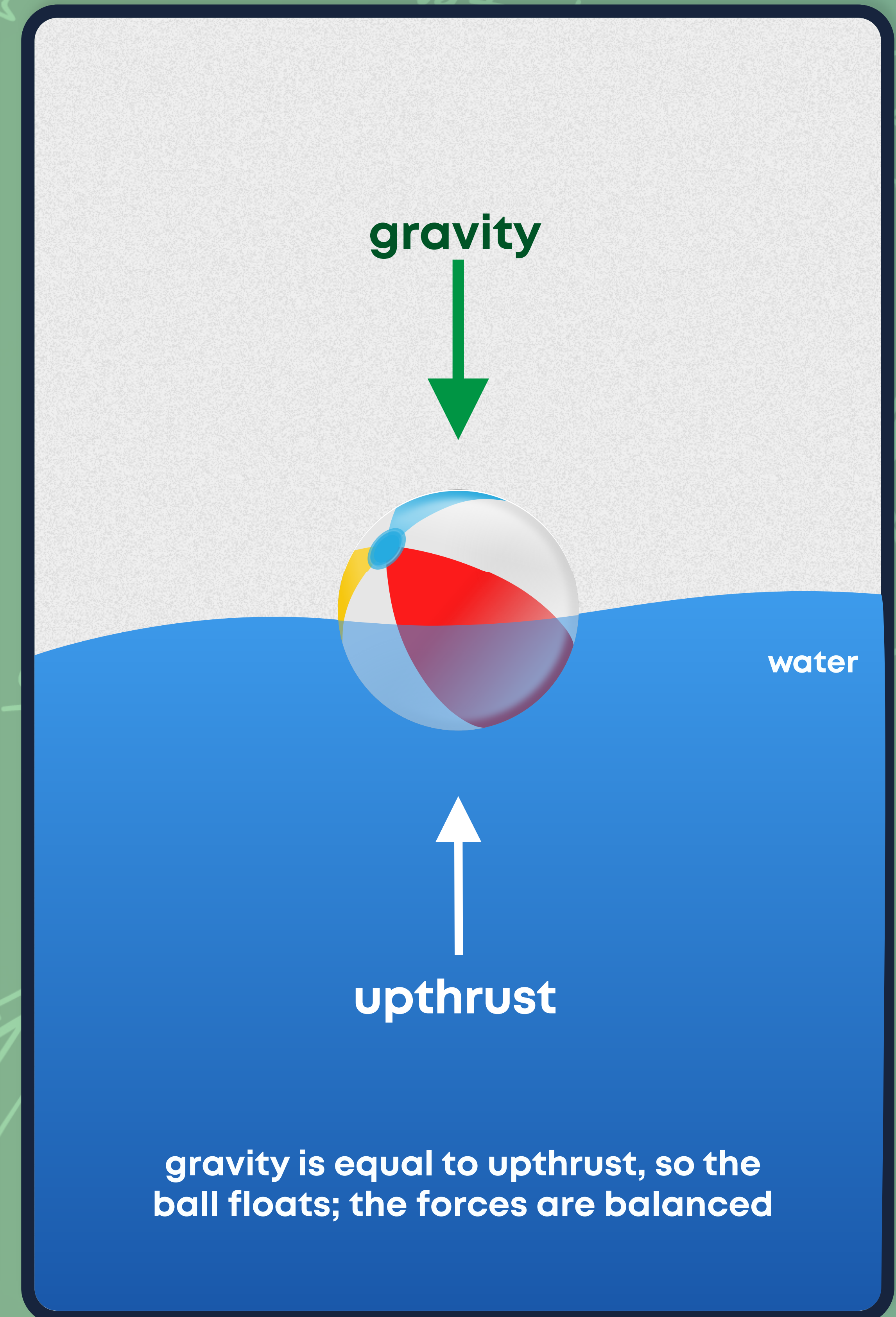
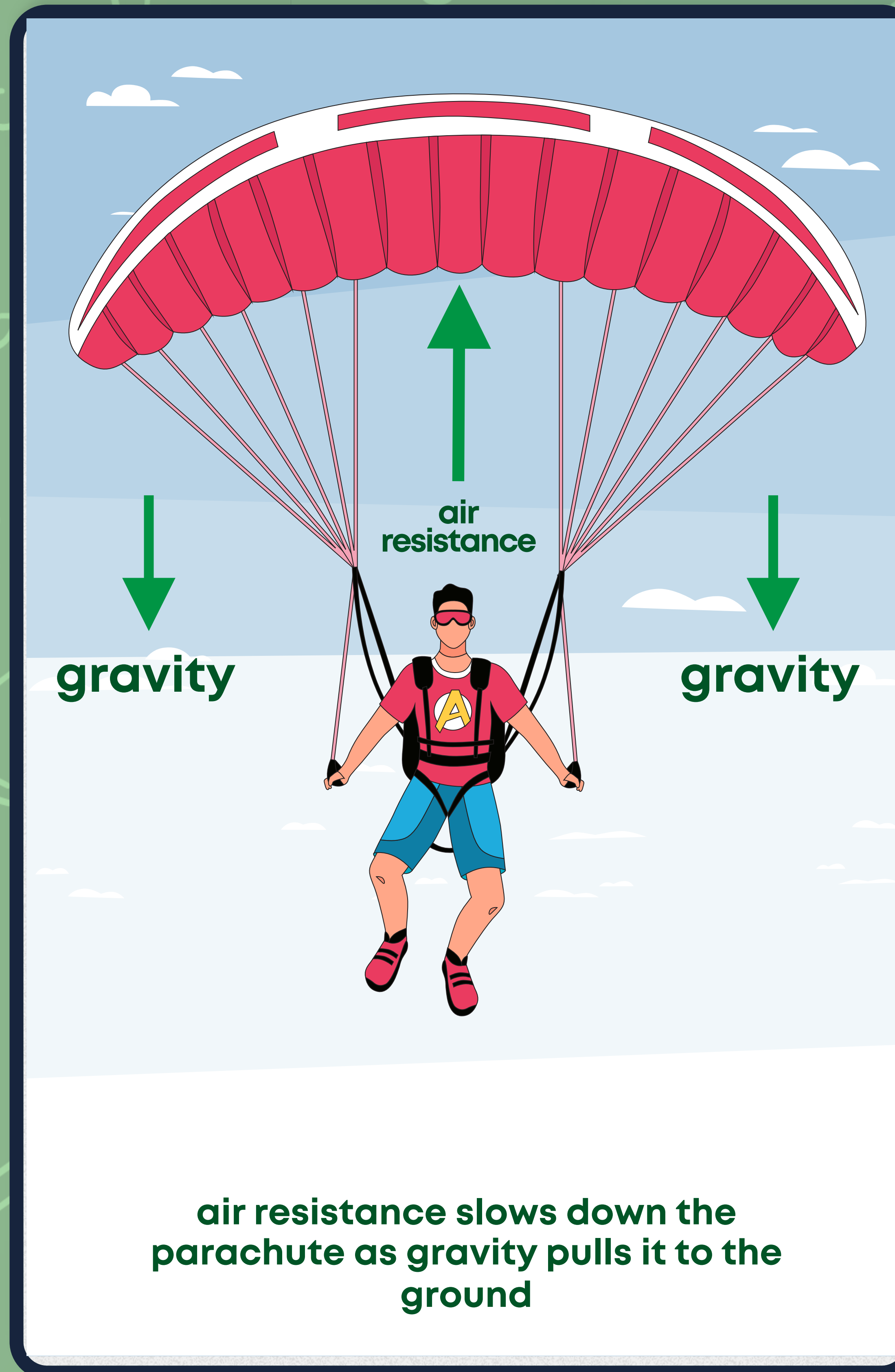
an object's **ability to float**

upthrust

a force that **pushes objects up** in water or air

streamline

to shape an object in a way that **reduces the effect of air resistance or water resistance**



Sir Isaac Newton (1643–1727)

a scientist and mathematician who studied forces and helped us to understand how gravity works on earth

the scientific study of energy and forces is called physics; physics helps us to understand how the universe behaves