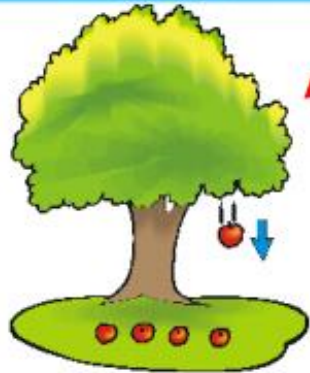




### FORCES

#### Gravity



Objects fall towards the Earth because of the force of gravity acting between the falling object and the Earth.

#### Air Resistance

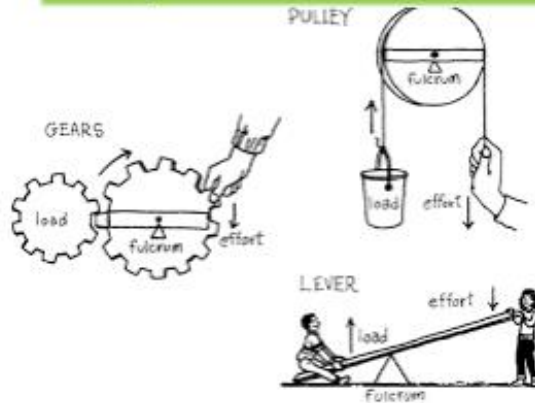


Air resistance is a type of friction. Air resistance is air pushing against a moving object. This can **slow** the speed of the travelling object.

#### Water Resistance



**Water resistance** is a type of friction. When you move through **water**, you have to push **water** out of the way. As the **water** passes across your skin, it pulls against it, tending to make you slow.



#### Friction

**Levers, pulleys and gears can make movement easier.**

### Key Vocabulary

Mass

The weight measured by an object

Pulleys

A wheel with a grooved rim around that changes the direction of a force

Lever

A rigid bar resting on a pivot that is used to move a heavy object

Force

A push or pull upon an object because of its interaction with another object

Gears

A toothed wheel that works with others to change the speed of the mechanism and its parts.

Friction

The resistance that one surface or object encounters when moving over another

A force between two surfaces. This can affect the speed of the moving object.



### Friction