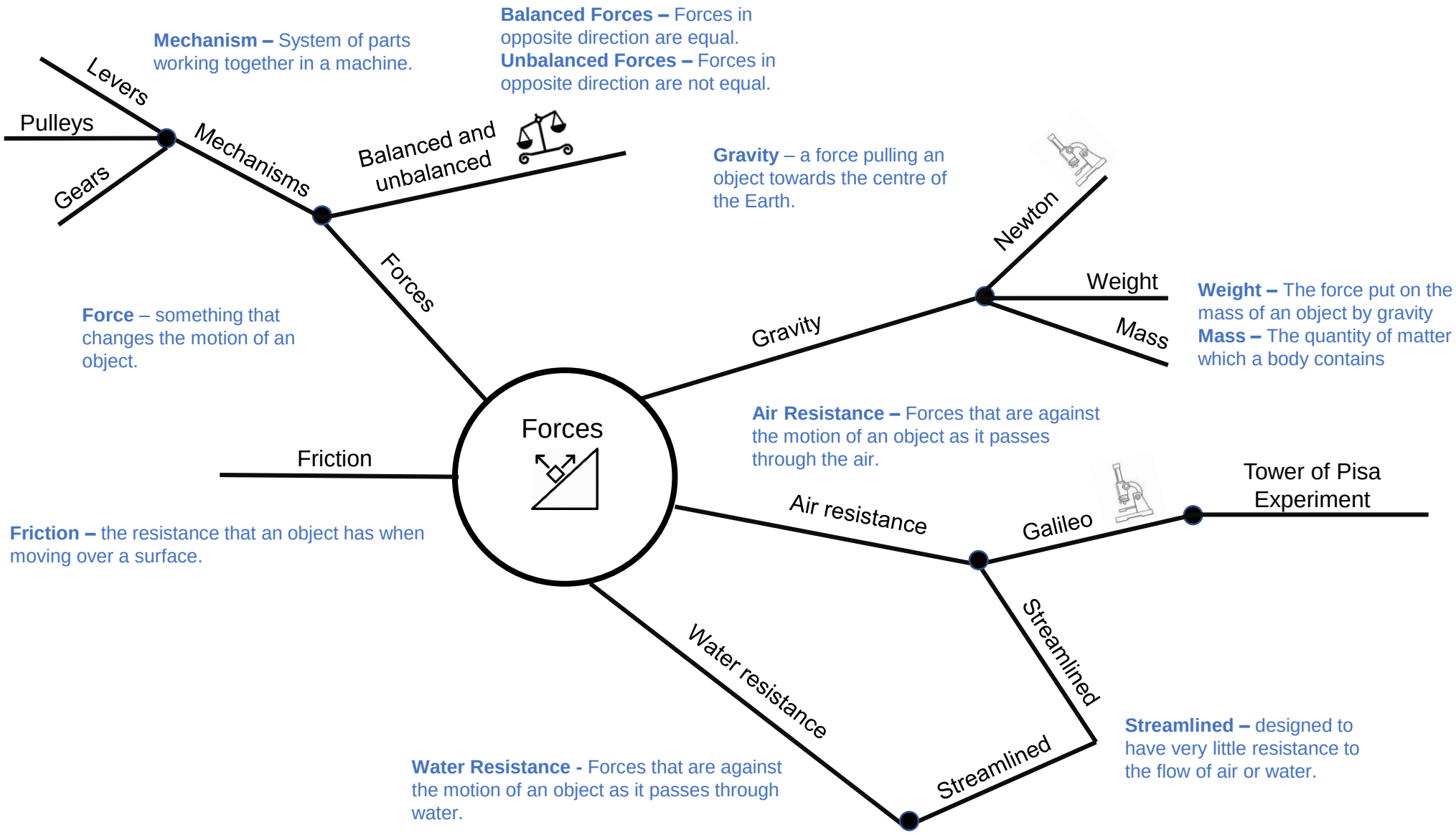
Forces
Mechanisms
Levers
Pulleys
Gears
Mechanism – System of parts working together in a machine.
Balanced and unbalanced
Balanced Forces – Forces in opposite direction are equal.
Unbalanced Forces – Forces in opposite direction are not equal.
Forces
Force – something that changes the motion of an object.
Gravity
Gravity – a force pulling an object towards the centre of the Earth.
Newton
Weight
Mass
Weight – The force put on the mass of an object by gravity
Mass – The quantity of matter which a body contains
Air resistance
Air Resistance – Forces that are against the motion of an object as it passes through the air.
Galileo
Tower of Pisa Experiment
Streamlined
Streamlined – designed to have very little resistance to the flow of air or water.
Water resistance
Water Resistance - Forces that are against the motion of an object as it passes through water.
Friction
Friction – the resistance that an object has when moving over a surface.