

Forces		
friction	<ul style="list-style-type: none"> a force between two surfaces causes resistance → object moves more slowly 	
gravity	<ul style="list-style-type: none"> a force that attracts objects to the nearest biggest mass bigger mass → more gravity smaller mass → less gravity 	
air resistance	<ul style="list-style-type: none"> friction between air and an object causes resistance → object moves more slowly air resistance pushes up, gravity pulls down 	
upthrust	<ul style="list-style-type: none"> force which pushes up in liquid 	<p>buoyant</p>

Mechanisms		
lever	<ul style="list-style-type: none"> a rigid bar resting on a fulcrum lifts heavy loads when the opposite end is pushed down 	
pulley	<ul style="list-style-type: none"> a wheel around which a cord passes lifts heavy loads when the opposite end is pulled down 	
gears	<ul style="list-style-type: none"> toothed wheels that fit together changes the speed or direction of things 	

Key Vocabulary	
resistance	tends to prevent or slow down an object's motion
streamlined	designed to allow less air resistance → travel faster
motion	activity of changing position
matter	a physical substance made up of particles
mass	measures the amount of matter
weight	how strongly gravity pulls an object measured in newtons (N)
attracts	pulls