

Year 5 Forces

Draw a line to match the word to its definition.		Name three things that forces can do to an object.	What unit of measure is mass measured in?			
forces	a measure of how much matter is inside an object	1	What unit of measure is weight measured			
gravity	pushes or pulls a pulling force	2	in?			
weight	exerted by the Earth (or anything else that has mass)	 3.				
mass	the measure of the force of gravity on an object	· · · ·				
Write the name of the force in action next to each arrow.						

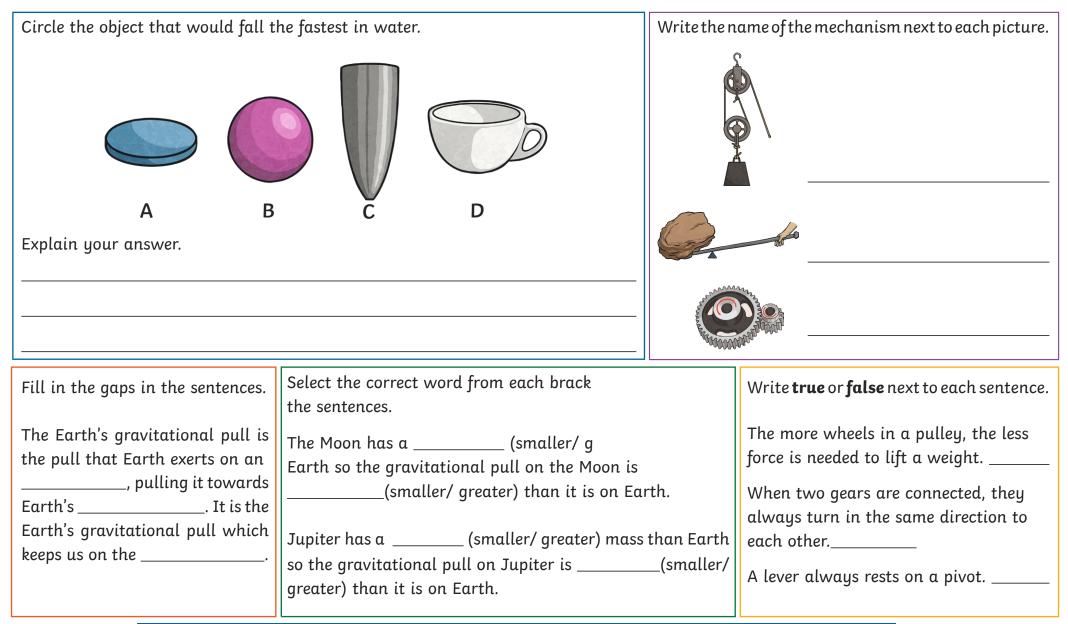


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Draw a line to match each word to its definition.				What is the name of the scientist who developed	
friction	a type of friction caused by air pushing against any moving object		a theory of gravity when he saw an apple fall to the ground?		
air resistance	a force that acts between two surfaces or objects that are moving (or trying to move) across each other				
water resistance	an upward force that a liquid applies to objects				
buoyancy	a type of friction caused by water pushing against any moving object				
Write true or false next to each sentence. Friction always acts in the opposite direction to the moving object Friction always speeds up a moving object Smooth surfaces create more friction than rough surfaces		Give an example of when friction is	helpful.	Give an example of when friction is unhelpful.	

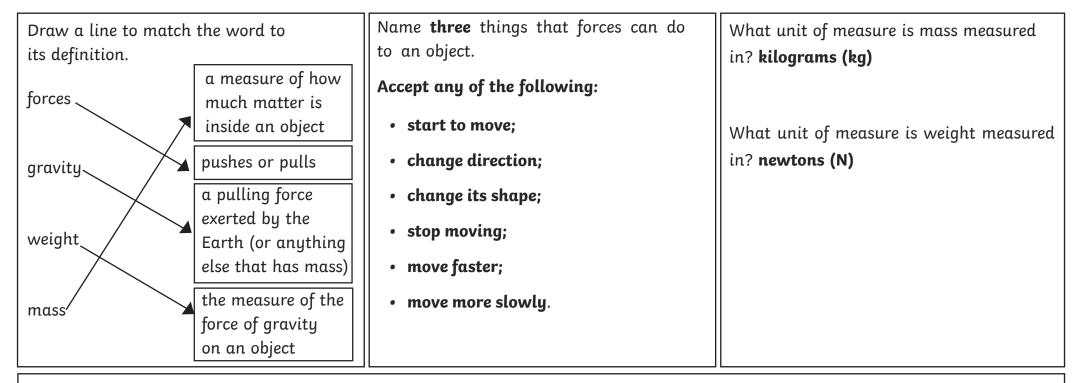


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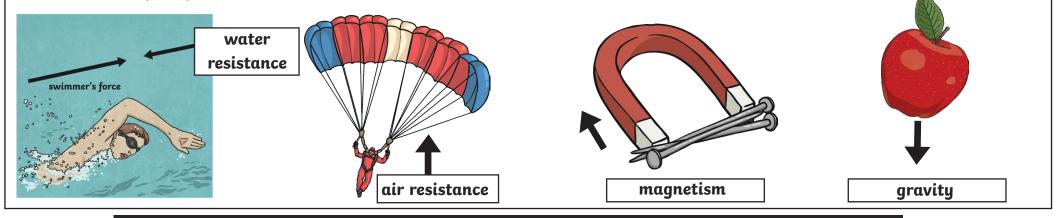




Year 5 Forces Answers



Write the name of the force in action next to each arrow.





Year 5 Forces **Answers**

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friction a type of any mo	friction caused by air pushing against ing object	a theory of gravity when he saw an apple fall to the ground?	
	nat acts between two surfaces or objects moving (or trying to move) across er	Isaac Newton	
water resistance	rd force that a liquid applies to objects		
buoyancy a type of friction caused by water pushing against any moving object			
Write true or false next to each sentend	Give an example of when friction is		
Friction always acts in the oppo direction to the moving object. true Friction always speeds up a moving object. false Smooth surfaces create more friction the rough surfaces. false	 brakes on a car or bike grips on the sole of a shoe air resistance slowing a parachute down 	unhelpful. Example answers include: • friction on a bike chain slowing down pedalling • water resistance slowing down a swimmer	



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