Year 5 Forces

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





Year 5 Forces

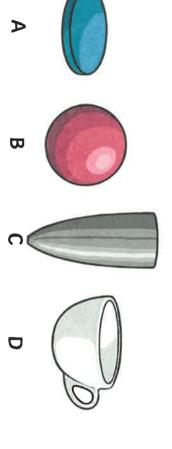
		Smooth surfaces create more friction than rough surfaces.
		Friction always speeds up a moving object.
		direction to the moving object.
ul. Give an example of when friction is unhelpful.	Give an example of when friction is helpful.	e or false next to each se
	a type of friction caused by water pushing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



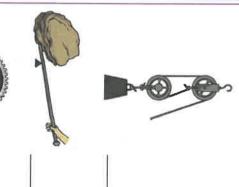
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Write the name of the mechanism next to each picture.

Circle the object that would fall the fastest in water.



Explain your answer.



Fill in the gaps in the sentences. |Select the correct word from each bracket to complete the sentences.

The Earth's gravitational pull is

the pull that Earth exerts on an

., pulling it towards

It is the

The Moon has a ______ (smaller/ greater) mass than Earth so the gravitational pull on the Moon is ______(smaller/ greater) than it is on Earth.

Jupiter has a ______(smaller/ greater) mass than Earth so the gravitational pull on Jupiter is _____(smaller/ greater) than it is on Earth.

keeps us on the

Earth's gravitational pull which

Earth's

Write **true** or **false** next to each sentence.

The more wheels in a pulley, the less force is needed to lift a weight.

When two gears are connected, they always turn in the same direction to each other.

A lever always rests on a pivot.

