Newton's 2nd Law

Drag and drop

	rolling sliding <i>ma</i>		static conservation of momentum <i>mv</i> opposite		momentum	
					gravitational weight	
		frictional	cen	tripetal	downward	
I. Ne	wton's	Second Law				
A.	defin	ined as: net force acting on an object causes the object to accelerate in the				
	direction of the net force; $F = $					
В.	. types of forces					
	1	1 which opposes motion				
	awhen neither object is moving					
	bwhen one object is s				sliding across another	
	c.		—when one object is rolling across another			
	2 which occurs between any two ob				any two objects	
	a.		is the gravitational force exerted on an object			
	by Earth					
	b.		that is shot or thrown follows ause of the force of gravity pulling it			
	3			*	to move in a circle	
	J		WIIIC	readses an object	to move in a circle	
II. Ne	wton's	Third Law				
A.	defined as: to every action force there is an equal and					
	reacti	ion force				
В.		: a property a moving object has because of its mass				
	and velocity; <i>p</i> =					
C: momen object to another with the total momentum being					m transfers from one	
	objec	object to another with the total momentum being conserved				