

Force and Motion

Last Name: _____ First Name: _____ Period: _____

Part I

Type your answers in the spaces provided using the word bank below.

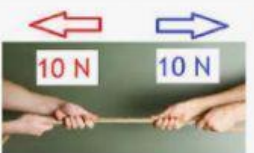

<ul style="list-style-type: none">• friction• kinetic energy	<ul style="list-style-type: none">• force• rest• potential energy	<ul style="list-style-type: none">• gravity• newton(N)	<ul style="list-style-type: none">• motion• spring scale• energy
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1. Any push or pull _____
2. A force that resist motion when object touch _____
3. The force by which a planet or other body draws objects toward its center. This force keeps all the planets in orbit around the Sun _____
4. Any change of position _____
5. A tool used to measure force _____







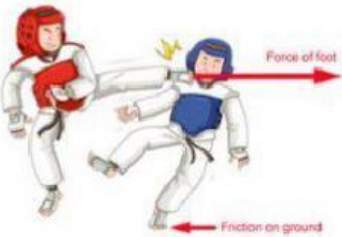



6. When an object is not in motion _____
7. The metric unit of force _____
8. Energy which a body possesses by virtue of being in motion __ (k) _____
9. The higher an object is located the higher its __ (p) _____
10. The more (e _____) the more ability to do work

Part II

Balance....causes acceleration 	Unbalance... no acceleration 
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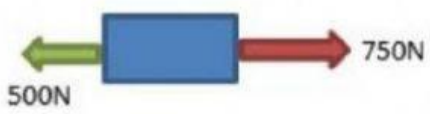


Write: balance or unbalance


1. 	2. 
3. 	4. 
5. 	6. 
7. 	8. Constant speed 

Part III

Complete: Opposite forces(arrows) ----- **You subtract** to get the Resultant force

Same directional forces (arrows) --- **You add** to get the Resultant force

Forces acting on the object	You add or subtract What is the Resultant Force? Newtons(N) (Write a number)	Direction of resultant force (left or right)
1. 		
2. 		
3. 		

<p>4.</p> 		
<p>5.</p> 		
<p>6.</p> 