

Force and Motion

Last Name: _____ First Name: _____ Period: _____

Part I

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

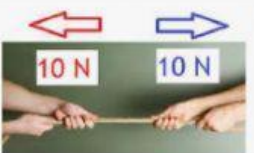
• friction • kinetic energy	• force • rest • potential energy	• gravity • newton(N)	• motion • spring scale • energy
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1. Any push or pull _____
2. A force that resist motion when object touch _____
3. The force by which a planet or other body draws 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
	

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. 		

4. 		
5. 		
6. 		