Force and Motion

Last Name:_____First Name: _____ Period: _____

Part I

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

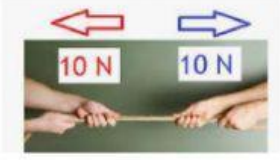
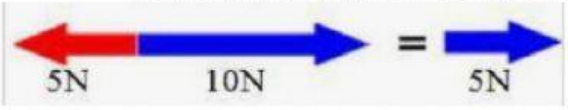
• friction • kinetic energy	• force • rest • potential energy	• gravity • newton(N)	• motion • spring scale • energy

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**

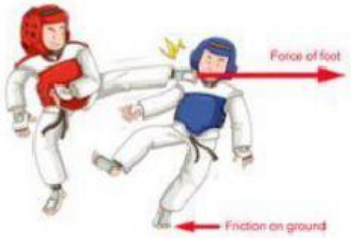


6. **When an object is not in motion_____**
7. **The metric unit of force_____**
8. **Energy which a body possesses by virtue of being in motion __(k)_____**
9. **The higher an object is located the higher its __(p)_____**
10. **The more (e_____the more ability to do work**

Part II

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

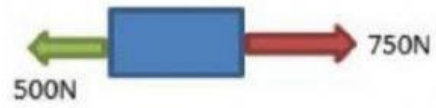
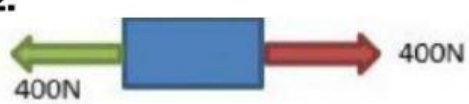
Write: balance or unbalance

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. 		