

## Force and Motion

Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_ Period: \_\_\_\_\_

### Part I

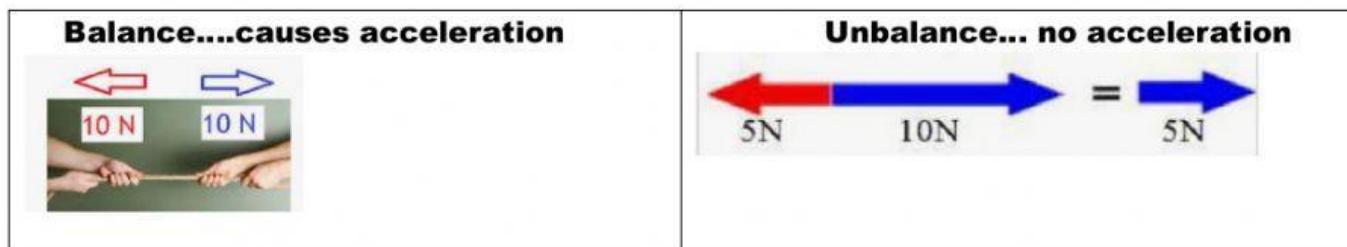
Type your answers in the spaces provided using the word bank below.

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

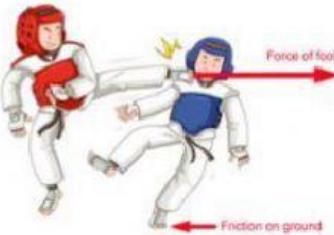
1. Any push or pull \_\_\_\_\_
2. A force that resist motion when object touch \_\_\_\_\_
3. The force by which a planet or other body draws objects toward its center. This force keeps all the planets in orbit around the Sun \_\_\_\_\_
4. Any change of position \_\_\_\_\_
5. A tool used to measure force  

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



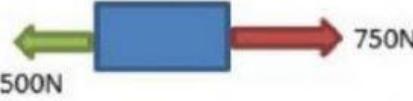
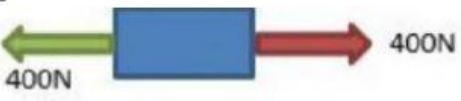
Write: balance or unbalance

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. 		

<b>4.</b> 		
<b>5.</b> 		
<b>6.</b> 		