## PHYSICAL SCIENCE NEWTON'S LAWS WORKSHEET

1.	Newton	's first law of motio	n is also know	n as the LAW OF _					
2.	Newton	Newton's first law says that							
	a. an object that IS NOT MOVING, or is at				, wi	ll stay at			
	b. an object that IS MOVING will keep moving with constant, which means at the same								
	and in the same, <u>UNLESS</u>								
	c. an force acts on that object.								
3.	What is	inertia?							
4.	What property of an object determines how much inertia it has?								
5.	5. Which of the following has more inertia?								
٥.		Bowling ball	or	Tennis ball					
		_	or						
II. NEWTO	ON'S SECC	OND LAW OF MOTIO	ON						
6.	Newton	's second law of mo	otion is also kno	own as the LAW C	F				
7.					force is applied to				
/.		s second law says t			lorce is applied to	a	_, it causes it to		
8.	The greater the force that is applied, the the acceleration.  The lesser the force that is applied, the the acceleration.								
9.	The less	er the force that is a	applied, the		the acceleration	1.			
10.	If the same force is applied to an object with a large mass, it will have aacceleration.								
11.	If the same force is applied to an object with a small mass, it will have a acceleration.								
12.	The equa	ation that is used to	solve second	law problems is <b>F</b>	= ma.				
	а.	What do each of	f the variables	mean?					
		F =		m =		a =			
	b.	What unit of me	asurement mu	ist be used with ea	ach variable?				
		F =		m =		a =			
		RD LAW OF MOTIO		on as the LAW OF					
	Newton's third law of motion is also known as the LAW OF  Newton's third law says that every time there is an force, there is also a force.							force that i	
14.	newton's third law says that every time there is an force, there is also a force, there is also							iorce that is	
15.	Management	's third law states tl							

NAME \_\_\_\_\_

- 16. Listed below are ACTION forces. Tell the REACTION force.

  - a. Your bottom pushing on your desk seat
    b. A bat hitting a baseball
    c. Your finger pressing on your phone screen while texting