Name:			
Date:			

acceleration.

NEWTON'S LAWS WORKSHEET

Teacher: Period:

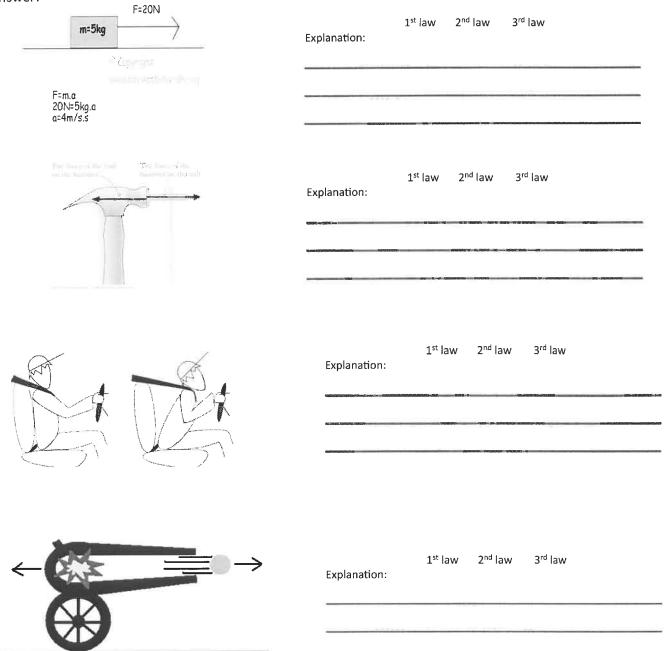
	NEW COLO E WIS WOUNDED.	
I. NEW	VTON'S FIRST LAW OF MOTION	
1. 2.	Newton's first law of motion is also known as the LAW OF	
	a. an object that IS NOT MOVING, or is at will stay at	
	<u>AND</u>	
	b. an object that IS MOVING will keep moving with constant	which means
	at the same and in the same	UNLESS
	c. an force acts on that object.	
3.	What is inertia?	
4.	What property of an object determines how much inertia it has?	
5.	Which of the following has more inertia?	
	a. Bowling ball or Tennis ball	
	b. Hammer or Feather	
6.	When traveling in a car and turning to the right, which way does your body go and why?	
II. NEW	VTON'S SECOND LAW OF MOTION	
7.	Newton's second law of motion is also known as the LAW OF	nicements.
8.	Newton's second law says that when an force is applied to	а
	it causes it to	
9.	The greater the force that is applied, the the acceleration.	
10.	. The lesser the force that is applied, the the acceleration.	
11.	. If the same force is applied to an object with a large mass, it will have a	
	acceleration.	
12.	. If the same force is applied to an object with a small mass, it will have a	

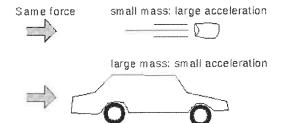
13.	The eq	uation that is used to so	lve second law problems is $F = m$	a.
	a.	What does each of the	variables mean?	
		F =	m =	a =
	b.	What unit of measurer	nent must be used with each var	iable?
		F =	m =	a =
III. NEW	/TON'S	THIRD LAW OF MOTION	I	
14.	Newto	n's third law of motion is	s also known as the LAW OF	***************************************
15.	Newto	n's third law says that ev	ery time there is an	, force, there is also a
			force that is	in size and acts in the
		and the second s	_ direction.	
16.	Newto	n's third law states that f	forces must ALWAYS occur in	and the second s
17.	Listed l	pelow are ACTION forces	Tell the REACTION force.	
			n your desk seat:	
			* STOCKETE PROPERTY (STOCKET)	
	C.	Your finger pressing on	your phone screen while texting	
18.	What	s friction?		
				197
19.	List the	four types of friction an	d their definitions.	
	a)		friction:	
	b)	-	friction:	
	c)	·	friction:	
	d)		friction:	
20.	Friction	that occurs in gases and	d liquids is called	friction.
21.	True or	False: Static friction pre	vents you from slipping when yo	u walk on a sidewalk.
22.	True or	False: Sliding friction is	stronger than static friction.	
23.	You use		friction when you leave	e marks on paper with a pencil "lead."
24.	The we	akest type of friction tha	nt occurs between solid surfaces	is friction.
25.	Factors	that affect the amount	of friction against an object are	and

26.	When you put on the brakes of your bike, the wheels stop turning. Friction between the wheels and the road slows your bike to a stop. Which type of friction is this?					
	a) fluid friction c) sliding friction b) static friction d) rolling friction					
27.	The factors that affect gravitational pull on an object are and					
28.	Define mass:					
29.	Define weight:					
30.	What is acceleration due to gravity constant? Include units. (numeric value)					
31.	A) What would you observe if you drop a cotton ball and a rock at the same time? B) Would it be different if you did the same occur if performed in a vacuum tube? Explain your answer.					
32.	True or False: Your mass would be the same on the Moon as it is on the Earth. Explain your answer in complete sentences.					
33.	True or False: Your weight would be the same on the Moon as it is on the Earth. Explain your answer in complete sentences.					
	What happens to the gravitational pull between two bodies when the distance between them increases?					

IV. UNDERSTANDING.....

Label each of the following images/descriptions below as being examples of 1st, 2nd, or 3rd law. Then EXPLAIN your answer!





Force = mass x acceleration

M	0.00	
al dila		la.
announce trues	Apparent	ŧ
1/18	force on possengers	ą.
Train comes	ได้มีกำปอพา นี้จิตก	Train in
to a half	after applying brake	motions

	1 st law	2 nd law	3 rd law	
Explanation:				
A			Water to the state of the state	

	1 st law	2 nd law	3 rd law	
Explanation:				
	20000-00000000000000			2000-200-20