Name		Per	Date
Directions : Use the online ck12 reading, which the following questions.	ch is posted on	the class w	ebsite, to help you answe
True/False: Write (T) for true and (F) for false	e on the line pro	ovided.	
1. Mass is a measure of the force of gr	avity on an obj	ect.	
2. Most objects have at least two force	s acting on the	m at all time	S.
3. If opposing forces are unequal in str	ength, the net f	orce is less	than zero.
4. The SI unit for weight is the newton.			
5. When two forces act on an object in	the same direc	tion, the ne	t force equals zero.
6. When forces act in opposite direction force.	ns on an object	, they are s	ubtracted to yield the net
7. Every sport involves forces.			
8. Forces are always balanced when the	ney act on an o	bject in the	same direction.
9. Whenever an object is stationary, it h	has no forces a	cting on it.	
10. Two forces acting in the same direct	ction always res	sult in a stro	nger force.
Multiple-Choice: Write the letter of the corre	ct choice on the	e line provid	ed.
 Force can cause a a. stationary object to start mov b. moving object to change spe c. moving object to change dire d. all of the above 	ed.		
 2 Examples of forces include a. motion. b. friction. c. acceleration. d. two of the above 			

Name_	Per Date
3.	If gravity pulls you down toward the center of Earth with a force of 500 N, how
	much upward force does the ground exert on you?
	a. 0 N
	b. 50 N
	c. 500 N
	d. none of the above
4.	In the following sketch, what is the net force acting on the box?
	10 N 5 N
	a. 5 N to the right
	b. 5 N to the left
	c. 15 N to the right
	d. 15 N to the left
5.	Which diagram represents balanced forces?
a.	[Figure2]
	→
b.	
C.	[Figure4]
_	
d.	[<u>Figure5</u>]
6.	Which pair of forces in question 5 differ from each other in both strength and
0.	direction?
	a. a
	b. b
	C. C
	d. d

Name						Per	Date	
7.								
		a						
		b C						
		d						
		-						
Match	ing: Ma	tch eac	h defini	tion with the cor	rect term.			
Terms	a. for	ce	b. unb	alanced forces	c. net force	d. applied for	rce	
e. new	ton	f. grav	ity	g. balanced fo	orces			
Definit	tions							
	1. coml	oination	of all th	e forces acting	on an object			
	2. force	that a	person	or thing exerts o	on to an object			
	3. push	or pull	acting o	on an object				
	4. force	s that p	roduce	a net force of z	ero			
	5. exan	nple of a	a force					
	6. SI ur	nit for fo	rce					
	7. force	s that p	roduce	a net force grea	ater than zero			
Fill-In: one tin		he blan	k with th	ne appropriate to	erm on the line	provided. Word	ls may be used more thar	
Terms	: 1 N, m	nass, foi	rce, sun	n, vector, unbala	anced, strength	(size)		
1.	When	ever the	motion	of an object ch	anges,	has been	applied.	
2.	Force	is a(n) ₋		because it	has both size a	and direction.		
3.	The ar	mount o	f force r	needed to cause	e a mass of 1 ki	logram to acce	lerate at 1 m/s ² is	
		<u> </u>						
4.	How a	force a	ffects a	n object's motio	n depends on t	ne strength of t	he force and the	
		(of the ob	oject.				

Name	Per Date
5.	If force is represented by an arrow, the length of the arrow represents the of the
	force.
6.	When unequal and opposite forces act on an object, the forces are said to be
7.	When two forces act on an object in the same direction, the net force equals the
	of the two forces.