Name

Chapter 4 Concept Review

Directions: Answer the following questions using your notes and textbook

1(4th century BC- firs	st to suggest force causes me	otion.
2. Before 16th century tho large enough to move it wa	ugh Earth must be i as unthinkable)	in its natural	place (a force
3. Nicolaus	(1473-1543)- said Earth and other plane	ets move around sun.
4. The foremost scientist c	f the late-Renaissa	nce Italy was	
5– is any	oush or pull.		
6. <i>Friction</i> - name given to move past each other.	the	_ that acts between material	ls that touch as they
7. Galileo argued that only object	when friction is pre _·	esent– as it usually is– a forc	e needed to keep an
8. He stated- every mater	al object resists cha	ange to its state of motion- c	called
9. Newton's First Law of N	lotion- usually refer	rred to as the law of	·
10. Every object continues constant speed, unless it i	in a state of s compelled to chai	, or of nge that state by	_ in a straight line at exerted upon it.
11. Simply put- things ten	d to do	oing what they're already doi	ng.
12a measure of space (units like cubic meters, liters, etc.)			
13 – measu and kind of atoms that con	rement of amount c npose it.	of material in an object and d	lepends on number of
14. Weight- a measure of	the	force acting on t	he object.
15. Weight = x			
16. Force of gravity $(F_g) =$	X		
17	combinatio	n of all forces acting on an o	bject's state of motion
18	when forces ac	dd up to a net force of zero.	



24. Non-vertical load- as ______ increases, the scale reading would increase to maintain upward pull.



25. Form	to calculate the upward force (use	as
resultant).		