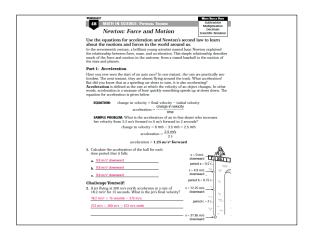
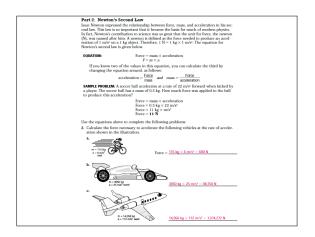
## NEWTON'S LAWS OF MOTION

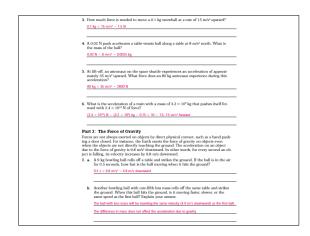
CHP 6: LITTLE BOOK ANSWERS

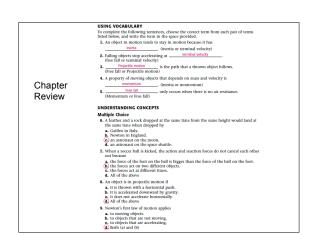
## Forces: Balanced or Unbalanced? Calculate the net force for each. Remember to add forces in the same direction & subtract forces in the opposite direction. Please include units.

	Force 1	Force 2	Net Force & Direction	Balanced or Unbalanced? B or U?
1	1 N east	1 N east	2 N east	U
2	10 N north	10 N south	D N	В
3	5 N left	4.3 N left	9.3 N LEFT	U
4	36 N up	36 N down	0 N	В
5	25 N right	25 N right	50 N RIGHT	U
6	46 N left	43 N right	3N LEFT	U
7	9.5 N down	9.5 N up	0 N	В
8	23 N right	13 N right	36 N RIGHT	U
9	3.6 N left	2.5 N right	1.1 N LEFT	U
10	14.5 N down	14.5 N up	0 N	В









10. Acceleration of an object
a. decrease at the mass of the object increases.
b. increases as the force on the object increases.
c. is in the same direction as the force on the object.
(6) All of the above.
11. A golf build and a bowling buil are moving at the same velocity. Which has more
a. the golf bull, because it has less mass
(b) the bowling bull, because it has more mass
c. They both himse the same momentum because they have the
d. There is no way to know without additional information.

Short Asswer

12. Explain how an orbit is formed.
An orbit is formed, containing the horse mode of the furth.

13. Describe how gravity and air resistance consiste when an object reaches terminal velocity.

Careful and resistance contains to give a not force of one on a falling object. When this happens, the object dops accelerating forenessed and has reached its hermical velocity.

14. Explain why friction can make observing Newton's first law of motion difficult.
Friction is a licent that opposes the motion of objects, fritten is what shows the motion of moting objects so you don't use edicient moving bower in a straight line.