10/4/2016 Virtual Lab

Answer 7:

Thum Lab
Force and Newton's Laws Chapter 3.2 What is Newton's Second Law of Motion? (Virtual LAB) * Pg. 81*
Question 1: According to Newton's second law of motion a net force on an object will cause it to accelerate. How does the Newton's law relate to the force of gravity?
Answer 1:
Question 2: How does the force of gravity affect the rate of acceleration? Answer 2:
Question 3: Describe what happens when identical objects are dropped under different gravitational conditions.
Answer 3:
Question 4: Describe what happens when objects of different mass are dropped under same gravitational conditions. Answer 4:
Question 5: What is weight? What is mass? How are mass and weight different?
Answer 5:
Question 6: Based on your experience with the experiments how does mass affect weight? Answer 6:
Question 7: What other conclusions can you draw from the data you collected in your table?

10/4/2016 Virtual Lab

Force and Newton's Laws

Gravitational Acceleration, Mass, and Weight

Test	Location	Acceleration (m/s ²)	Object	Mass of Object (kg)	Weight of Object (N)
3					
2	,,,,				
3					
4					
5					
6					