

Astronomy Assessment
Lesson: Universal Law of Gravitation

Name: _____
Due Date: _____

(1) Calculate your mass:

(a) How much do you weigh in pounds?

(b) Calculate how much you weigh in kilograms:

i. How many kilograms are there in one pound?

ii. Multiply the number you found in (i) by your weight:

(c) What is the Universal Law of Gravitation for objects on Earth's surface?

(d) Substitute your weight and g into the equation you wrote in (c)

(e) Find your mass

(2) Find two to three facts about Newton from your readings that you found particularly interesting (record them below). Come to class prepared to share them....