



Dynamics

Newton's Laws

Optional Assignment

Name _____

Teacher _____

Period _____

Bring 5 nonperishable food items (items that **DO NOT** require refrigeration) to physics class on Friday, October 4th, to receive 5 test points on the multiple choice portion of the next test.

Complete the Food Item Analysis chart at the bottom of the page.

The food items must meet the following criteria:

1. All the items are of different mass.
2. The items must be selected from the list below.
3. Complete the Food Item Analysis table below for 5 of the items.

Food Item List

Canned Vegetables

- Green Beans
- Corn
- Carrots
- Peas
- Sweet Potatoes
- Mixed vegetables

Canned Fruit

- Cranberries
- Peaches
- Pears
- Mixed Fruit

Bread Mix

Muffin Mix

Stuffing Mix

Instant Potatoes

Pie Filling

Pie Crust Mix (NOT pre-made)

Macaroni and Cheese

Canned Soup

Gravy (canned or powdered mix)

Cake Mixes

Food Item Analysis

Food Item	Mass in grams	Mass in kilograms	Weight in newtons	Weight in pounds
1.				
2.				
3.				
4.				
5.				

Conversion Factor

1 N = 0.225 lb

ALL items will be donated to PALS to help support their food drive.