MEASURING MASS USING A TRIPLE BEAM BALANCE

KEY OPENING QUESTION: What Are The Masses Of Different Items?

MATERIALS: Triple beam balance
Sand
Rice
Puffed rice
Unpopped corn
Popped corn
Pencil
Marker
5 small zip-lock baggies

PROCEDURE:

1. Fill one bag with ¼ cup of sand.
2. Repeat step one with rice, puffed rice, unpopped corn, and popped corn.
3. Make sure the balance pointer is on the zero point.
4. Place the bag of sand on the balance pan.
5. Find the mass of the sand (to the nearest 0.1g).
6. Now look at the 0.1g mass column in the data table and write down the number your mass is showing in the correct box under "Mass Placement".
7. Look at the 10g mass and write down the number it is showing.
8. Look at the 100g mass and write down the number where it is located.
9. Add all the mass placements, and you will come up with your "Mass in Grams" total.
10. Record the total mass of the sand on the chart under "Mass in Grams".
11. Finish balancing each of the other items on the list and record their masses.

OBSERVATIONS AND DATA:

Fill in data table sheet.

Explain the differences in masses

CONCLUSION: (Answer the question**)**

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