

Lab # 2

Density

Purpose: To determine the density of four known objects and one unknown object.

Hypothesis: If I find the volume and density of four known pieces of cardboard and graph that data, I will be able to determine the density of an irregular shaped piece of cardboard.

Materials: Balance, Cardboard shapes, graph paper, pencil

Procedure: Mass each of the 4 standard pieces of cardboard. Find the volume of each piece using .1 cm as the thickness. Graph results on graph paper.

Data: Graph volume and mass of each of the four pieces of cardboard.

Conclusion: Did you find the density of the unknown piece of cardboard.

Would you be able to use this method for other unknown volumes of objects.