Sand and Rice Lab

COLLECTING THE DATA

Volume	Weight

Rice

Volume	Weight

Sand

Fill the cylinder to 10 ml with rice.
Weigh the cylinder with the rice in it and enter your results in the table.
Continue filling the cylinder and weighing it for each 10 ml.
Repeat the procedure for the sand.

ANALYZING THE DATA (Organize your results neatly)

1. Draw a graph for your results.

2. Draw the line of best fit.

3. Find the rate of change of the line of best fit.

4. Explain what the rate of change means in terms of rice.

5. Write the equation for the function.

6. Explain what the equation means.

7. Use your equation to predict the weight of 200 ml of rice.

8. Use your equation to predict the volume of 2 kg (2000g) of rice.

9. Repeat the procedure for sand, graphing it on the same graph.

10. Explain the difference between the sand and rice graphs.