Density Test Study Guide

1. Complete the Density Test Review Sheets
2. Using the Formulas for Density or the Density Triangle, calculate the unknown

value (mass, volume, or density).

1. Determine an unknown substance by calculating its density and comparing it to known values.
2. Estimate the density of an object based on its position in a fluid. (sink, float) Look at number 15 on density review questions.
3. Graph density lines for the substances provided. Plot points for mass and volume and create lines of best fit. Interpret the lines to determine which substance is the most dense, least dense?

Read the graph to :

Determine the mass of a substance given its volume.

Determine the volume of a substance given its mass.

1. Plot a line for a substance of known density. Example 3.0 g/ml

Pick points for mass and volume and create line of best fit.

Mass 6g Volume \_\_\_\_

Mass 3g Volume \_\_\_

Mass 12 g Volume \_\_\_\_\_\_

1. Explain how hot air balloons work in terms of air density.
2. Review all notes and handouts.
3. Visit the Explore Learning density activities
4. Try out the Density Meter

Book pages that cover density include pages 24 -27, and 43 - 46