

Density Test Study Guide

Explain how you find the density of an object that is a regular solid:

Explain how you find the density of an object that is an irregular solid:

Describe what density is and give an example (you can draw a picture as part of your explanation):

Explain how can you tell if an object will sink or float if it is placed in water:

Complete the following density problems. Make sure that you:

A) Write the formula

B) Show the problem correctly set up (make sure you write the correct units!)

C) Write the correct answer with the correct unit

A block has a mass of 5 g and a volume of 12 cm^3 . What is its density?

A liquid has a volume of 37 ml and a mass of 28 g. If poured into a glass of water, will this liquid float or sink?

A substance has a density of 2.75 g/cm^3 and a mass of 15.7 g. What is its volume?

A substance has a density of 0.76 g/cm^3 and a volume of 5 cm^3 . What is its mass?