

Chemistry Exam Review: Chemistry Basics

Scan the QR code with your cell phone camera to see the answers to the questions.



1. Sweden is a Scandinavian country in northern Europe with a population of 10,350,000, write the population of Sweden in scientific notation.
2. The width of a human hair can be as small as 0.000017 m, write this number in scientific notation.
3. Calculate the density of an object with a mass of 112 g and a volume of 9.98 cm³. Show your work and report your answer with the correct units and significant figures.
4. Gasoline has a density of 0.600 g/mL. Find the mass of the gasoline if you filled up a gas tank with 9,290 mL. Show your work and report your answer with the correct units and significant figures.
5. Helium has a density of 0.0840 g/L. If a balloon is filled with 1.72 g of helium, what is the volume of the balloon? Show your work and report your answer with the correct units and significant figures.