

3. 5.804 liters to milliliters

Write this value in scientific notation: _____

4. 750 cubic centimeters to liters

Write this value in scientific notation: _____

5. 245 milligrams to kilograms

Write this value in scientific notation: _____

6. 64 grams of water to liters of water

Write this value in scientific notation: _____

7. 31.5g Ag to cm^3 of silver

8. A cube of a silver-colored metal with a volume of 32 cm^3 has a mass of 0.336 kg. The density the element silver(Ag) is 10.5 g/cm^3 . Is the metal pure silver? Show calculations to justify your answer.

7. A scientist measures the temperature of water in a container and finds it to be 269 K at standard pressure. Is the water in a solid, liquid or gas state? Show the mathematical conversion to $^{\circ}\text{C}$ and explain your answer.