

Units and quantities

1. List the 7 SI fundamental units

2. Density = mass/Volume.

(a) What is the SI unit of density?

(b) If the volume of 3kg of a material is 100cm^3 what is the density of the material in SI units?

(c) The density of copper is 8.9gcm^{-3} , what is the volume of 1kg of copper.

3. A car travels at 100kmhr^{-1} . What is its velocity in SI units?

