

Αβυ.1.11

$$1\text{g} = 10^{-3}\text{kg}.$$

$$1\text{cm}^3 = (10^{-2}\text{m})^3 = 10^{-6}\text{m}^3$$

$$\begin{aligned}\theta) 80\text{nm} &= 80 \cdot 10^{-9}\text{m} = \\ &= 8 \cdot 10^1 \cdot 10^{-9}\text{m} = 8 \cdot 10^{-8}\text{m}\end{aligned}$$

$$1\text{g/cm}^3 = \frac{1\text{g}}{1\text{cm}^3} = \frac{10^{-3}\text{kg}}{10^{-6}\text{m}^3} = 10^{-3-(-6)}\text{kg/m}^3 = 10^3\text{kg/m}^3$$

$$\text{Άρα: } 1\text{g/cm}^3 = 10^3\text{kg/m}^3 = 1000\text{kg/m}^3$$

$1\text{g/cm}^3 \rightarrow$ πυκνότητα
στερεών ή υγρών

$1\text{kg/m}^3 \rightarrow$ πυκνότητα
αερίων.