

## Answer on Question#39135 - Chemistry - Other

### Question:

If the density of water is 0.999 grams centimeters negative cubed, what is its density in kilograms meters negative cubed?

### Answer:

$$1 \text{ m}^3 = 1,000,000 \text{ cm}^3$$

$$1 \text{ kg} = 1000 \text{ g}$$

$$0.999 \text{ g/cm}^3 = 0.999 \text{ g/cm}^3 \cdot (1 \text{ kg}/1000 \text{ g}) \cdot (1,000,000 \text{ cm}^3/\text{m}^3) = 999 \text{ kg/m}^3$$