

Answer on the question 84665 – Chemistry – General Chemistry

$$m(\text{H}_2\text{O}) = 17.9 \text{ g};$$

$$v = m/M = 17.9 / 18 = 0.994 \text{ moles.}$$

$$N = N_A * v * 3 (\text{quantity of atoms in 1 molecule of water}) = 6.02 * 10^{23} * 3 * 0.994 = 17.6 * 10^{23} \text{ atoms.}$$

$$\text{Answer: } N = 17.6 * 10^{23} \text{ atoms.}$$

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