Answer on Question #70900 – Chemistry – General Chemistry

Task

How many grams of NaCl are required to prepare 200 mL of a solution of M Nacl? (molar mass of NaCl=58.44g/mol)

Solution

$$c(NaCl) = 1 \ mol/l \ \Rightarrow v(NaCl) = c \cdot V = 0.2 \cdot 1 = 0.2 \ mol.$$

$$m(NaCl) = v \cdot M = 0.2 \cdot 58.44 = 11.688 \ g \approx 11.7 \ g.$$

Answer

11.7 g.

Answer provided by https://www.AssignmentExpert.com