

Answer on Question #64569, Chemistry / General Chemistry

How much of a 45 g sample of NaCl would dissolve in 100 g of water at room temperature?

How much of the 45 g of NaCl would remain undissolved?

Answer

If 20°C is a room temperature then the NaCl solubility is 31,6 grams in 100 grams of water.

$M(\text{NaCl}) = 45 - 31,6 = 13,4$ grams did not dissolve.

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