

Quiz Chapter 1 & 2

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September 3, 2020

1. $m_{benzene} = 1.165 \cdot 47 = 54.755[\text{g}]$

$$\frac{33}{100} = .33$$

$$\frac{x}{54.755} = .33 \rightarrow x = 18[\text{g}]$$

18[g] of NaCl would dissolve, meaning that $77 - 18 = 59[\text{g}]$ would not dissolve. In percent, that is:

$$\frac{59}{77} = 76.6\%$$