

Marks
3

- Explain why the freezing temperature of an aqueous salt solution is lower than that of pure water.

What mass of sugar (sucrose, MW 342 g mol^{-1}) would have to be dissolved in 1.0 L of water to lower the freezing point as much as a water solution containing 11.1 g L^{-1} of CaCl_2 ?

Answer:

THE REMAINDER OF THIS PAGE IS FOR ROUGH WORKING ONLY.