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weakening or deconcentrating a solution serial dilutions are used in microbiology to reduce bacterial concentrations to the required concentration for a particular test method or to a concentration that is easier to

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[7 19 concentrations dilution chemistry libretexts](#) Nov 17 2022 web may 28 2024 state whether the concentration of a solution is directly or indirectly proportional to its volume write the dilution equation define dilution apply the dilution equation to calculate the final concentration or the final volume of a diluted solution

[14 7 solution dilution chemistry libretexts](#) Apr 03 2024 web a solution containing a precise mass of solute in a precise volume of solution is called a stock solution or standard solution a volumetric flask is usually used to prepare a stock solution aliquots carefully measured volumes of the stock solution can then be diluted to any desired volume

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what does dilute mean in chemistry thoughtco Jan 20 2023 web mar 24 2019 a solution containing a relatively small quantity of solute as compared with the amount of solvent this term is the opposite of concentrated

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you can calculate the concentration of a solution following a dilution by applying this equation $m_i v_i = m_f v_f$ where m is molarity v is volume and the subscripts i and f refer to the initial and final values