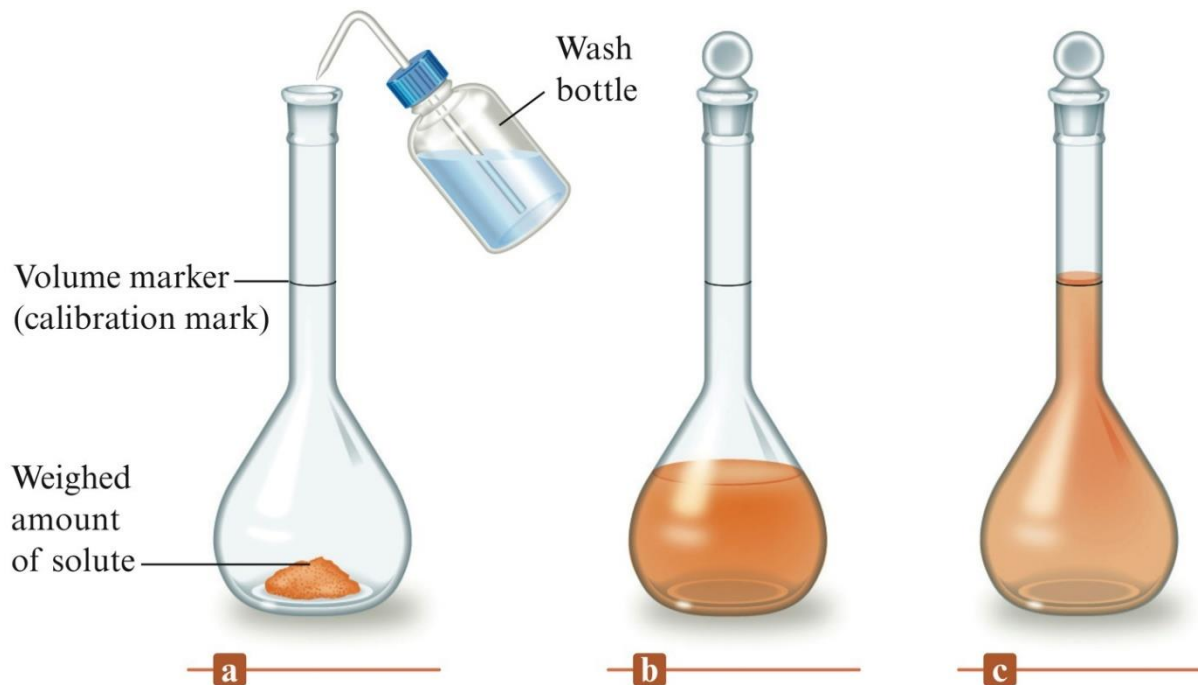


## How to Prepare a Solution



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**Figure 4.10**

Steps involved in the preparation of a standard aqueous solution. (a) Put a weighed amount of a substance (solute) into the volumetric flask, and add a small quantity of water. (b) Dissolve the solid in the water by gently swirling the flask (*with the stopper in place*). (c) Add more water (with gentle swirling) until the level of the solution just reaches the mark etched on the neck of the flask. Then mix the solution thoroughly by inverting the flask several times holding the stopper in place.