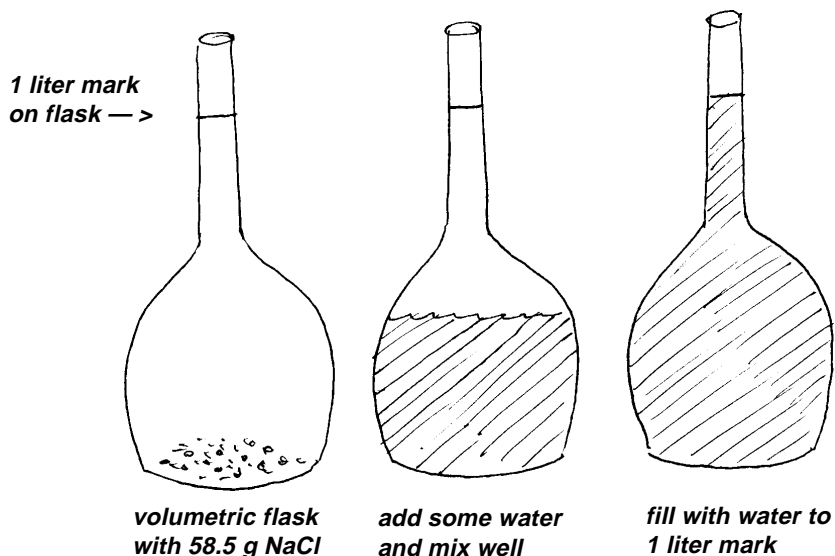


Using a Volumetric Flask

After weighing the mass of solid to be transferred to the flask on a creased weighing paper, transfer the solid to the flask. Add a small volume of distilled water (or prescribed liquid) to the flask, and swirl. If the solid does not dissolve, add additional liquid and swirl again. Once the solid has dissolved, add additional liquid until it almost reaches the mark that is etched on the neck of the flask. Add the last few drops of liquid using an eyedropper or pipette until the bottom of the meniscus touches the marking.

Example: one liter of a 1 M NaCl solution



Adapted by Carole Magnusson (Sacramento High School, Sacramento, Calif.) from:
Mitchell, S. and Juergens, F.H., *Laboratory Solutions for the Science Classroom*. Flinn Scientific, 1991.