

Relationships within the Metric System

Concepts

Explanation:

The first part of the demonstration simply shows that liquid always has the same volume even if it is placed in a new container and that 1 liter is the same as 1000 mm³. After this since the density of water is 1 g/ml and you have 1000 ml this is equal to 1000g or 1 kilogram.

Sources:

If you have other explanations, concepts, or ideas for this demonstration please share them by contacting our Chem Demo team (bedell@nku.edu; sieveb1@nku.edu). We will pass them on to the community and credit you with the ideas.