

1.9.1: Density Lecture Demonstrations

Create Density Layers with 16%, 12%, 8%, 4% and 0% sucrose in water, colored with food dyes, by adding each successively less dense layer in a graduated cylinder. Use a pipet, and prevent mixing of layers by delivering solution into a deflagrating spoon held on the surface of the layer below to stop downward inertia of solution.^{[1][2]}



Layered, colored sucrose solutions of different concentrations

Density Demonstrations Using Diet Soft Drinks ^{[3][4][5]}

Mass and Density-A Surprising Classroom Demonstration ^[6]

References

1. *The Sweeter Side of Density* J. Chem. Educ., 2008, 85 (8), p 1088A
2. J. Chem. Educ., 1986, 63 (2), p 148
3. J. Chem. Educ., 1986, 63 (6), p 515
4. J. Chem. Educ., 1986, 63 (6), p 515
5. [ACS Publications](https://pubs.acs.org) [pubs.acs.org]
6. J. Chem. Educ., 1977, 54 (10), p 628

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