

6.21.1: Lecture Demonstrations

Add small pieces of Li, K, Na to water, with universal indicator if desired, to show relative activities.

Hazards: K forms a peroxide coating that may explode when cut with a knife.

Activities of the Halogens^{[1][2][3][4]}

Displace I, Br from NaI and NaBr solutions with Cl₂ (extract halogens into nonpolar solvent like hexane to make them more visible)^[5].

Show that I₂ does not displace Cl₂ from NaCl, etc.

Reaction of Antimony with Halogens^[6]

References

1. Furse, A. J. Chem. Educ., 1947, 24 (9), p 445
2. J. Chem. Educ., 1969, 46 (2), p A108
3. Alyea, H. J. Chem. Educ., 1969, 46 (2), p A108
4. J. Chem. Educ., 1933, 10 (10), p 637
5. J. Chem. Educ., 1969, 46 (2), p A108
6. J. Chem. Educ., 1969, 46 (2), p A108

This page titled [6.21.1: Lecture Demonstrations](#) is shared under a [CC BY-NC-SA 4.0](#) license and was authored, remixed, and/or curated by [Ed Vitz, John W. Moore, Justin Shorb, Xavier Prat-Resina, Tim Wendorff, & Adam Hahn](#).