

6.11.1: Lecture Demonstrations

Conductivity of Molten Salt

Many salts can be melted in test tubes, and the conductivity of their melts measured with a low voltage device and either graphite "leads" from pencils, or TIG welding rods^[1].

Conductivity of Salt Solutions

Compare solution conductivity of ionic and covalent compounds^[2]. Besides the traditional 120 V light bulb with probes in series (available from scientific suppliers), many conductivity devices have been suggested.^{[3][4][5][6]}

References

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6. John W. Havrilla. J. Chem. Educ., 1991, 68 (1), p 80

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