



# Practice Problem 1

*Physical Chemistry I*

*Fall 2003*

*M. Francl*

This is an optional practice problem for you to work. Answers will be posted on the web. If you desire some extra credit this term, you may hand in up to 5 of these for a total of 10 extra credit points added to your weekly problem set score. To receive extra credit, these must be handed in by the next class period.

In class we gave three criteria every wavefunction must meet (continuous, single-valued, square-integrable). What would be the physical consequences if any of these criteria were not met?

## The Culture of Chemistry



At every instant a grain of sand has a definite position and velocity. This is not the case with an electron.

**Max Born**

