

## Session #5: Homework Problems

### Problem #1

A line of the Lyman series of the spectrum of hydrogen has a wavelength of  $9.50 \times 10^{-8}$  m. What was the "upper" quantum state ( $n_i$ ) involved in the associated electron transition?

### Problem #2

List the possible values of the four quantum numbers for a 2p electron in boron.

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3.091SC Introduction to Solid State Chemistry  
Fall 2009

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