

Chem 155 Homework #8 Due at the start of class on Mon. Mar. 5

Reading: Chapter 16

Chapter 15 Problems:

15.38

15.44

15.46

15.54

15.55

15.60

15.62

15.74

15.86 a)

15.93

Chapter 16 Problems:

16.2

16.4

16.6

Additional Problems:

1) Use the radial probability distribution to calculate the most probable distance of finding an electron from the nucleus of a hydrogen atom. Compare with the Bohr model of the atom.

2) Find an image of a *single molecule* taken with a *Scanning Tunneling Microscope* that was published in a scientific journal. Print it out the figure and cite the reference.