

Honors Chemistry Ch 7 STUDY GUIDE
Modern Atomic Structure –Quantum Theory
Sections 7.1 – 7.12 **SKIP 7.9**

- Completely READ on your own 4 pages each night. Take notes AND write down questions of what you do not understand as you read. Learn ALL vocabulary that is unfamiliar to you. ASK about it in class ASAP.

In order to understand the present day model of the atom, we need to do a reasonably in depth study of light.

LEARN ALL Vocabulary, study ALL figures, and memorize ALL formulas as you read.

Electromagnetic Spectrum and the Quantum Model of the atom

Sec. 7.1 Learn Figs. 7.1 and 7.2 pages 290-291

Sec. 7.1 and 7.2 Learn the formulas and constants

Sec. 7.3 and 7.4 Spectra and the Bohr model of the hydrogen atom

Sec. 7.5 – 7.9 The Quantum model (Schroedinger model) of the atom

Sec. 7.11 and 7.12 Pages 331 – 332 Special names for various groups and periods

NB: Questions 15-20

Exercises 39-85 ODDS DO AT LEAST 1/3 and 85 – 101 AT LEAST 3/4

HI: Assignment #1: 40 – 50 EVENS

Assignment #2: 52, 56, 58, 62, 64

Assignment #3: 66, 68, 70, 72, 74

Assignment #4: 82, 84