Honors Syllabus #6

Topic 6: Atomic Theory

Chapter 5: Section 5.1 pgs 128-131 (intro to PT)

Chapter 9: Section 9.1 pgs 254-260 (intro to atomic structure and isotopes)

      Section 9.2 pgs 262-274 (Atomic theory and Quantum)

        Section 9.3 pgs 276-282 (electron configurations and periodic trends)

Chapter 19: Section 19.1 pgs 602-608 (nuclear reactions)

        Section 19.2 pgs 610-618 (radioactivity/HL)

        Section 19.3 pgs 620-625 (nuclear energy)

Section 19.4 pgs 627-630 (radiation effects)

Vocabulary: (you do not have to write out these definitions, just know the words!

Pg 158 Sections 5.1 all

Pg 292 Sections 9.1 to 9.3 all except hybridization

Pg 635 Sections 19.1-19.4 all

Questions: To be done and handed in!

Section 5.1 (pg 158) 19, 20, 22, 24

Section 9.1 (pg 292) 31, 32, 33, 34, 35, 37, 38, 39, 42, 45, 46, 47, 49

Section 9.2 (pg 293) 57, 61, 62, 66, 67, 69, 76, 79, 82, 85, 86, 84

Section 9.3 (pg 293) 84, 87, 88, 91, 99, 101, 112

Section 19.1 (pg 635) 37, 38, 43

Section 19.2 (pg 636) 50, 58, 63

Section 19.3 (pg 637) 65

Section 19.4 (pg 638) 72