Chemistry Syllabus #6

**Chapter 3**

**Vocabulary**

Cathode Ray tube nucleus

electron radioactivity

proton mass number

neutron atomic mass

isotope nuclear decay

nuclear reaction transmutation

**Questions**

Pg 122 #’s 1,2,3,4,9,10,12,16,19,22,27,29

**Chapter 4**

**Vocabulary**

Electromagnetic radiation wavelength

Frequency speed of light

Visible spectrum quanta

Photon photoelectric effect

Ground state excited state

Orbital energy level

Sublevel electron configuration

**Questions**

Pg 156 #’s 1,2,5,7,9,13,17,18,26

**Chapter 5**

**Vocabulary**

Periodic table periodic law

Group/family period

Alkali metal alkaline earth metals

Halogen transition metal

Rare earth metal metalloid

Metal nonmetal

Noble gas valence electron

Atomic radius electronegativity

Ionization energy periodic trend

**Questions**

Pg 188 #’s 5,8,13,15,17,18,22,25,26

**Chapter 24**

**Vocabulary**

Radioisotope half-life

Nuclear fission nuclear fusion

Chain reaction nuclear tracer

**Questions**

Pg 802 #’s 2,8,9,11,13,15,17,20