2022 **Chem 250** Albert Aidoo

	MONDAY	TUES	WEDNESDAY	THUR	FRIDAY
	29 introduction	30 H atoms Inorg 1.2-1.3	31 aufbau, Slaters Rules Inorg 1.2-1.3	1	2 IE, EA, EN Inorg 1.6-1.7, 9.2
SEPT	5	6 *acac* *lab*	7 VSEPR, noble gas Inorg 2.1, 2.3, 18.1-18.2 *problems due*	8	9 VB Theory Inorg 2.4-2.6
	12 point groups Inorg 3.1, 3.3-3.4	13 *nickel* *lab*	14 point groups *Presentation 1*	15	16 *problems due* *TEST 1*
	19 ionic radii/bonding Inorg 3.10	20 *isomer* *lab*	21 Born Haber Inorg 3.11-3.14	22	23 ionic structures Inorg 4.1-4.3, 4.9 *acac lab due*
	26 Werner/Jorgenson Inorg 7.1-7.2, 7.7-7.10 *Literature Review 1 Due*	27 *lab*	28 crystal field Inorg 20.1 *problems due*	29	30 crystal field Inorg 20.1 *nickel lab due*
OCT	3 crystal field/coordination *Presentation 2*	4 *lab*	5 coordination Inorg 7.3-7.5 *problems due*	6	7 MO Theory Inorg 2.7-2.10 *isomer lab due*
	10 character tables Inorg 3.2, App. 4	11 *Pd* *lab*	12 ligand field Inorg 20.2 *problems due*	13	14 *TEST 2*
	17	18	19 MIDTERM BREAK	20	21
	24 EAN Inorg 22.1-22.4	25 *zeolite* *lab*	26 ligands Inorg 22.5-22.17	27	28 M-M bonds Inorg Box19.2, 22.20
	31 reactions Inorg 22.22-22.27	1 *lab*	2 Reactions *Presentation 3* *problems due*	3	4 kinetics Inorg 21.1-21.2a *palladium lab due*
NOV	7 metals/semiconductors Inorg 4.18-4.20	8 *LED* *lab*	9 *p-n* junctions Inorg 24.19-24.20	10	11 polyhedral, frameworks 14.10, 14.15, Box19.1, 24.11-12 *zeolite lab due*
	14 defects, oxides, magnetism 4.16-4.17, 20.8, 24.3-24.4	15 *project* *lab*	16 MOFs Inorg 24.11-24.12 *problems due*	17	18 *TEST* *LED lab due*
	21 plane groups, Escher SYM p. 1-5	22 *project* *lab*	23 3-D symmetry SYM p. 6-14 *problems due*	24	25 Thanksgiving
	28 International Tables SYM p. 15-17 *Literature Review 2 Due*	29 *project* *lab*	30 equiv position, ORTEP SYM p. 18-22 *problems due*	1	2 ORTEP SYM p. 22-23
DEC	5 Bioinorganic	6 Bioinorganic	7 Bioinorganic	8	9 *Presentation 4* On Green Chemistry
	12 Evaluation *Literature Review 3 Due*	13	14 no final (9 am)	15	16

Inorganic Chemistry by Weller, Overton, Rourke, Armstrong (7 ed). SYM = *Symmetry and Crystallography* (2