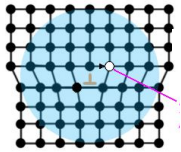
Guess What: The Inorganic Chemistry Version

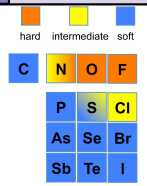
Topic Cards

Created by Jasmine N. Wolfgram and Bradley M. Wile, Ohio Northern University (b-wile@onu.edu)

26 Edge Dislocations

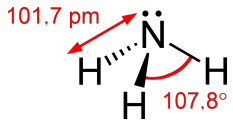


16 Hard/Soft Acid/Base (HSAB) Theory

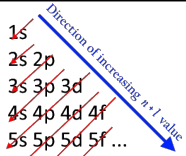


10 "King" Fluorine

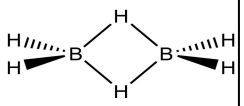
17 Ammonia (NH_3)



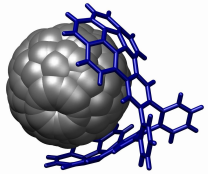
13 Aufbau Principle



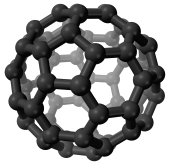
18 Borane



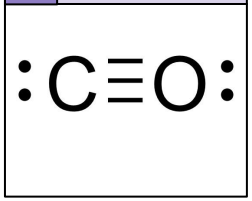
24 Buckycatcher



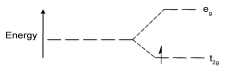
25 C_{60} Buckminsterfullerene



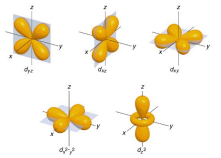
33 Carbon Monoxide (CO)



6 Crystal Field Theory (CFT)

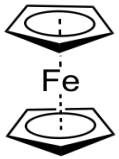


21 D-Orbital

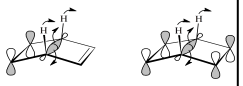


29 Emerald

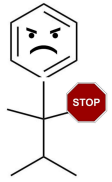
49 Ferrocene



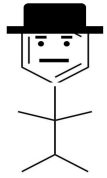
27 Frontier Orbitals



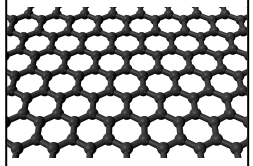
28 Frustrated Lewis Pairs



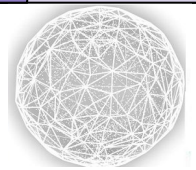
37 George Olah



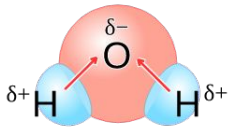
45 Graphene



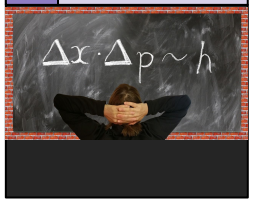
5 Group Theory



4 H_2O

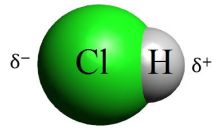


12 Heisenberg Uncertainty Principle

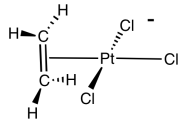


11 Werner Heisenberg

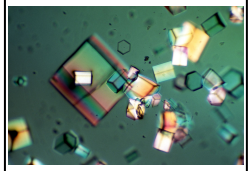
32 Heteronuclear Diatomic Orbitals



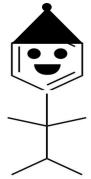
42 Zeise's Salt



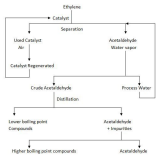
46 X-ray Crystallography



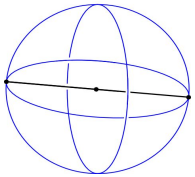
48 Werner's Coordination Theory



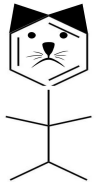
41 Wacker Process



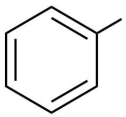
2 VSEPR



22 Usanovich Acid/Base Theory

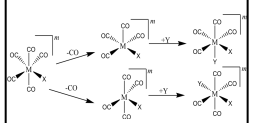


40 Superbases



ex. Grignard reagent

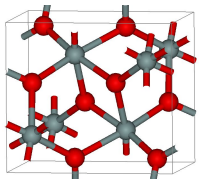
8 Substitution Reactions



39 Strong Field Ligands

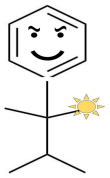
ex. cyanide ion

47 Silicon dioxide (SiO_2)

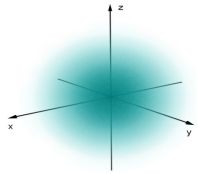


30 Silicates

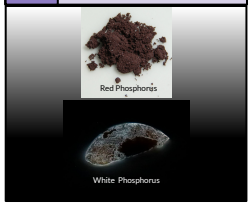
1 Ronald James Gilespie



19 S-Orbital

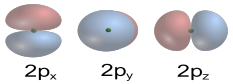


50 Phosphorus

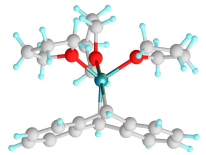


14 Pauli Exclusion Principle

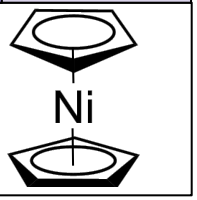
20 P-Orbital



38 Organometallic Chemistry

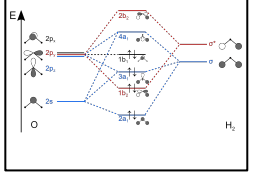


36 Nickelocene

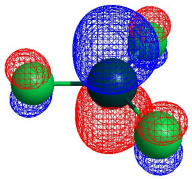


35 Montmorillonites

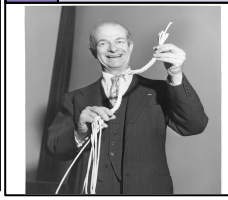
9 Molecular Orbital Theory



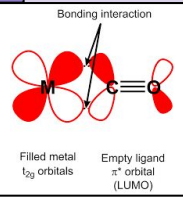
43 Lowest Unoccupied Molecular Orbital (LUMO)



7 Linus Pauling

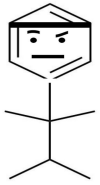


8 Ligand Field Theory

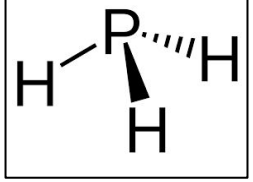


15 Hund's Rule

23 Ingold-Robinson Acid/Base Theory



31 L-type Ligand



34	Linkage (ambidentate) Isomerism
SCN^- NCS^-	

44	Highest Occupied Molecular Orbital (HOMO)