NUCLEOPHILICITY (NUCLEOPHILES & ELECTROPHILES) def. muleophile. a dumical species that DONATES an electron pair to au electrophile to form a elemical bond, All Lewis bases are nucleophiles. doncte "=" accept protun. Fluoride anion (F) is a nucleophile. \* Stronger us. Weaker Nucleophile? diffus based on type of solvent A. Protic Solvent [e.g. water] \* Has hydrogens that may be bonded to, or free H+ B. Aprotic Solvent [e.g. di-ethyl ether] HzC-CHz-O-CHz-CHz diethyl ether Nucleophiles & Electrophiles 6.7 det. Tonic reactions, also called polar runs, involve participation of ions as reactants, intermediates, or products. \* IR occur when one rxt has site of high ED, and other ret has site of low ED. Methyl Lithium Li 5+ Methyl Chloride Cl 8 H C 8-C 5 + H def, meleophile. an electron vich center. (Herefore wants to bind to melet t charge). characterized by ability to 1x w (+) or (5+). det untroplite an motion-déficient center essence of order is to study & predict e density for in ren. Nucleophiles melophilis H × any dem. species of love pair can be a ethemoride ethernel milesphile. × Strength of NP is affected by polarizability. det polavizability how unevery can dryes be sprad in resp. to outside infuence. × π. bond also creates region of high ED, 6.7.2 Euchophiles com accept é here 8p² + p2 × inductive effects (St) or, Carbo cation \* empty p-ortatal. EP JED NP TED rather than