











Lecture to CHTOTAT (MWF 9:05 am) Fail 2019 Copyright @ 2	o is Dan Dill dan@bu.edu
Bond polarity	
The greater the electronegativity difference of two covalently bonded atoms, the more unequal the sharing of the electrons forming the covalent bond.	
Bond character: Covalent Polar covalent	Ionic
Electronegativity difference: $\boxed{\approx 0 - 0.3} \approx 0.4 - 2.0$	2.1 - 4.0
BrI: 2.96 - 2.66 = 0.30 , covalent \cancel{B} Meet equal	
HCl: $3.16 - 2.1 \neq 1.0$, polar covalent	
NaCl: 3.16 - 0.93 = 2.23; tonic mederal	
Please keep in mind that these definitions are qualitative, since sharing is always unequal unless the bonded atoms are identical.	
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