

# Polarity

molecules - share  $e^-$ 's

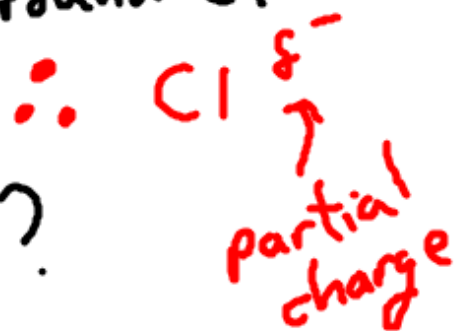


equal  
Sharing



unequal  
sharing

pr spends  
more time  
around Cl



How do you know if eq or uneq?

use - electronegativity table

0-4

nonpolar  
equal

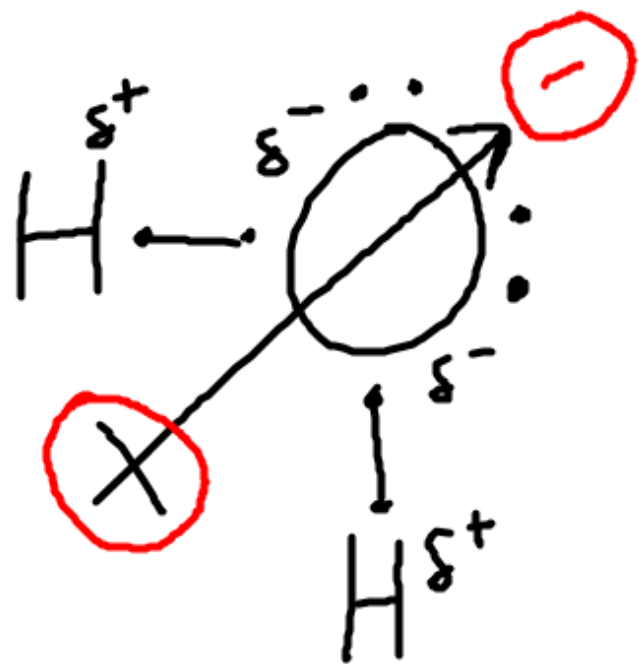
.5-1.7ish

polar  
unequal

1.7+

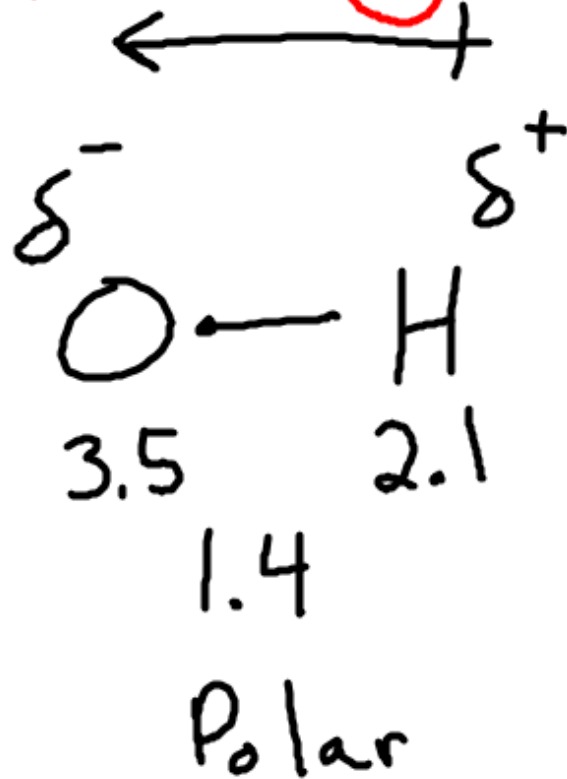
Ionic

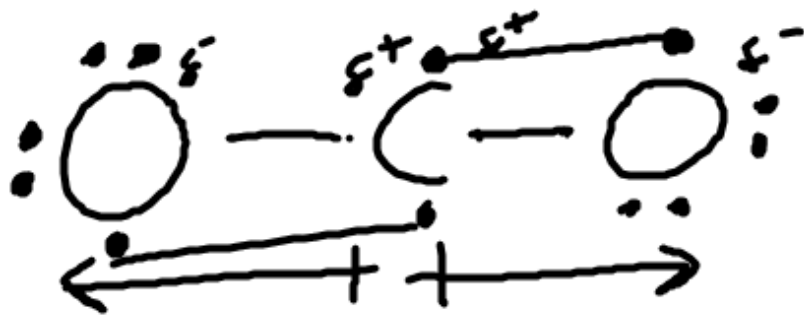
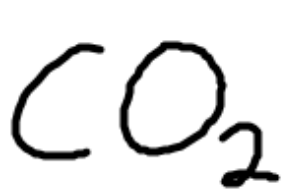
Draw  $H_2O$



Polar molecule

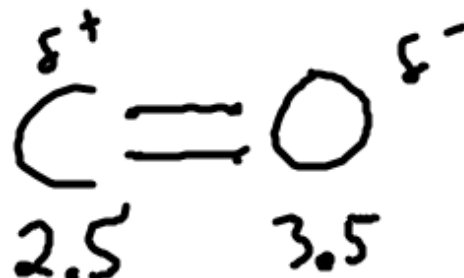
$e^-$ 's pull towards





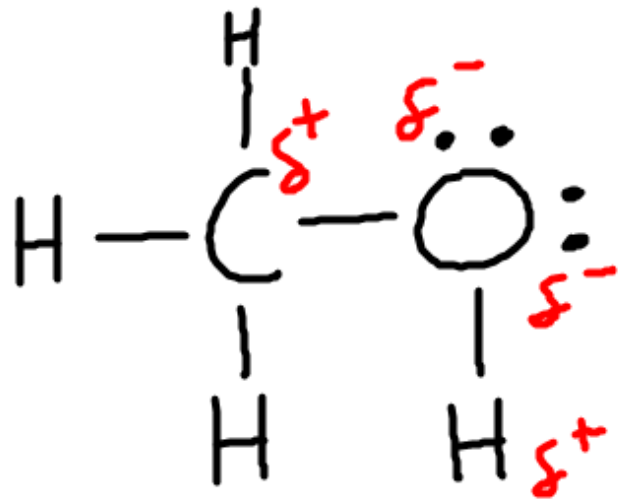
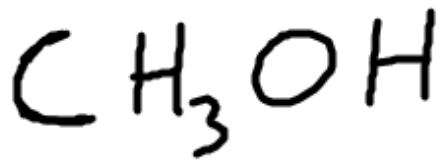
nonpolar molecule

pull in opposite directions



1.0  
Polar bond

So cancel out



Polar molecule

