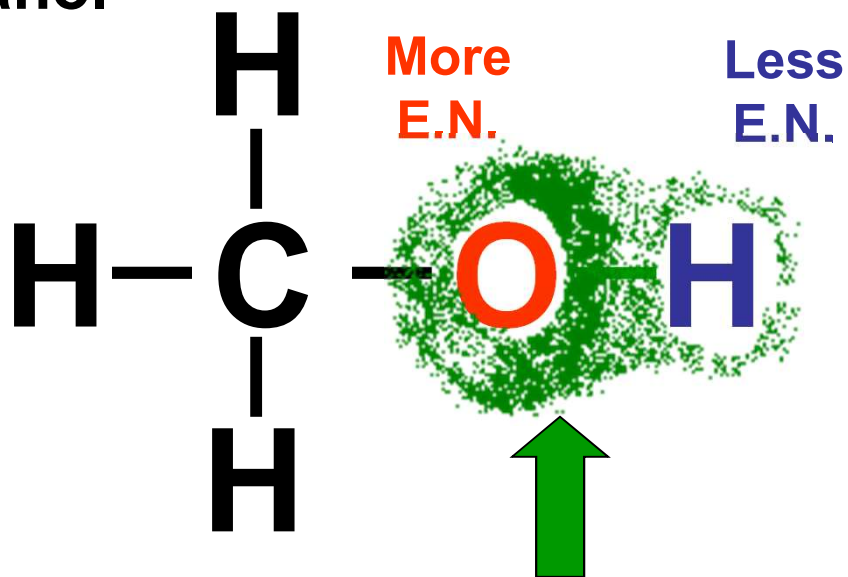


# Electronegativity: Electron Distribution in a Bond

**?** *Bonding  
Electrons NOT  
shared evenly.*

Methanol



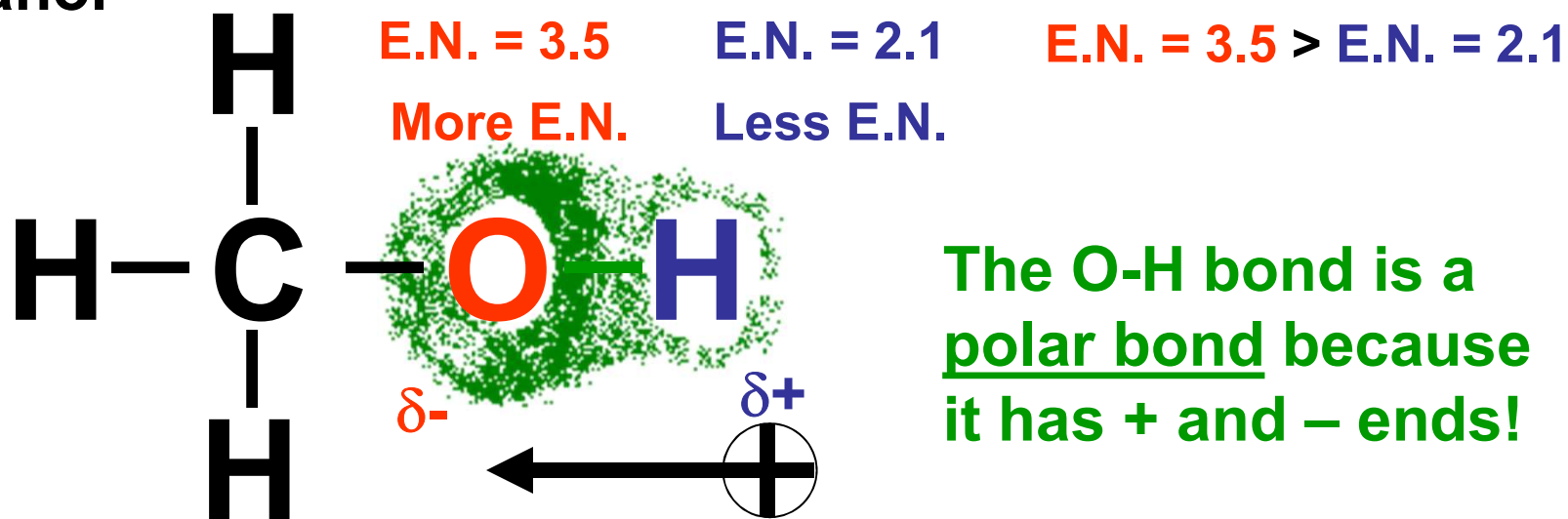
**Electron density shifts  
in the direction of the  
more electronegative  
atom (oxygen).**



# Electronegativity: Electron Distribution in a Bond

*Figure 9.19 in text.*

Methanol



## Dipole Moment Vector:

...an arrow that indicates the direction electrons shift.

...includes an additional mark to indicate positive end.

...usually drawn through the bond.



# Polar Bonds: Comparisons

