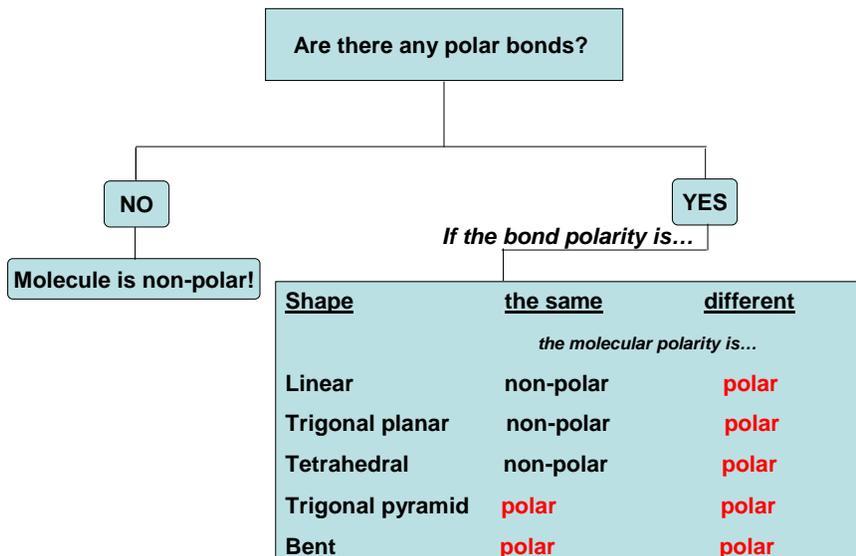


Molecular Polarity



Examples of non-polar molecules

Type	Diagram	Cancellation of Polar Bonds	Example
Linear molecules with two identical bonds	$B-A-B$	$\leftarrow + \rightarrow$	CO_2
Trigonal planar molecules with three identical bonds			SO_3
Tetrahedral molecules with four identical bonds			CH_4

Examples of polar molecules

Shape	polar bonds do not cancel	EXAMPLE
Linear molecules with different bonds	$\leftarrow + \rightarrow$	$O=C=S$
Trigonal planar molecules with different bonds		
Tetrahedral molecules with different bonds		
Trigonal pyramid molecules with identical bonds		NH_3
Bent molecules with identical bonds		H_2O