

**There are 11 different molecular geometries...**

Tetrahedral  
Trigonal pyramidal  
Bent  
Trigonal planar

Trigonal bipyramidal  
See-saw  
T-shaped  
Linear

Octahedral  
Square pyramidal  
Square planar

Put each of the 11 molecular geometries into one of these two categories.

<b>If all outer atoms are the same element...</b>	
Always non-polar	Always polar

Put each of the 11 molecular geometries into one of these two categories.

<b>If the outer atoms are different elements...</b>	
Could be non-polar	Always polar

# Answer Key

<b>If all outer atoms are the same element...</b>	
Always non-polar	Always polar
Octahedral	Square pyramidal
Trigonal bipyramidal	See-saw
Tetrahedral	T-shaped
Trigonal planar	Trigonal pyramidal
Linear	Bent
Square planar	

<b>If the outer atoms are different elements...</b>	
Could be non-polar	Always polar
Trigonal bipyramidal	Everything else
Octahedral	
Square planar	