

Molecular Geometry Flashcards PDF

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What is the molecular geometry of CH₄?

The molecular geometry of CH₄ (methane) is tetrahedral.

What is the bond angle in a tetrahedral molecular geometry?

The bond angle in a tetrahedral molecular geometry is approximately 109.5 degrees.

What is the molecular geometry of H₂O?

The molecular geometry of H₂O (water) is bent or angular.

What is the bond angle in a bent molecular geometry?

The bond angle in a bent molecular geometry is approximately 104.5 degrees.

What is the molecular geometry of CO₂?

The molecular geometry of CO₂ (carbon dioxide) is linear.

What is the bond angle in a linear molecular geometry?

The bond angle in a linear molecular geometry is 180 degrees.

What is the molecular geometry of NH_3 ?

The molecular geometry of NH_3 (ammonia) is trigonal pyramidal.

What is the bond angle in a trigonal pyramidal molecular geometry?

The bond angle in a trigonal pyramidal molecular geometry is approximately 107 degrees.

What is the molecular geometry of BF_3 ?

The molecular geometry of BF_3 (boron trifluoride) is trigonal planar.

What is the bond angle in a trigonal planar molecular geometry?

The bond angle in a trigonal planar molecular geometry is 120 degrees.