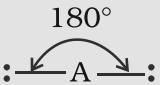
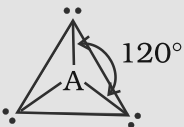
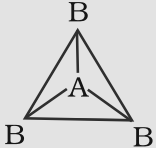
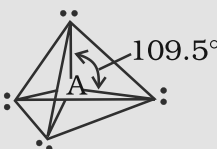
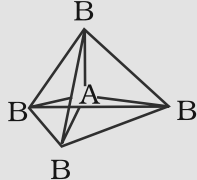
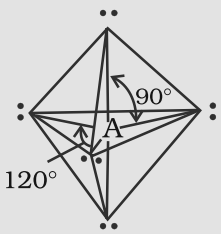
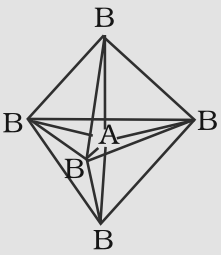
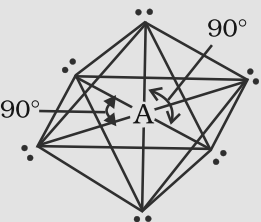
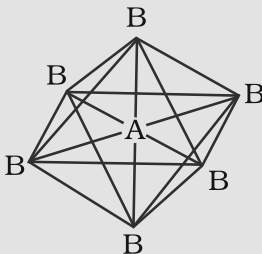


Table 4.6 Geometry of Molecules in which the Central Atom has No Lone Pair of Electrons

Number of electron pairs	Arrangement of electron pairs	Molecular geometry	Examples
2	 <p>Linear</p>	<p>B—A—B</p> <p>Linear</p>	BeCl ₂ , HgCl ₂
3	 <p>Trigonal planar</p>	 <p>Trigonal planar</p>	BF ₃
4	 <p>Tetrahedral</p>	 <p>Tetrahedral</p>	CH ₄ , NH ₄ ⁺
5	 <p>Trigonal bipyramidal</p>	 <p>Trigonal bipyramidal</p>	PCl ₅
6	 <p>Octahedral</p>	 <p>Octahedral</p>	SF ₆