


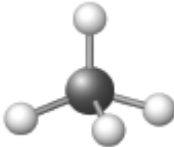
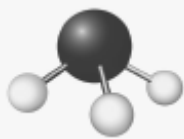
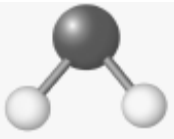


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|------------|------------------|------------|
| CHAPTER 14 | Molecular Shapes | BLM 14.0.1 |
| OVERHEAD | | |
| | | |

| VSEPR Class | Name of molecular shape | Type of electron pairs | Shape | Example |
|-------------|--|------------------------|---|---------|
| AX_2 | linear | all BP |  | CO_2 |
| AX_3 | trigonal planar | all BP |  | CH_2O |
| AX_2E | bent (trigonal planar electron groups) | 2 BP, 1 LP |  | SO_2 |
| AX_4 | tetrahedral | all BP |  | CH_4 |
| AX_3E | trigonal pyramidal (tetrahedral electron groups) | 3 BP, 1 LP |  | NH_3 |
| AX_2E_2 | bent (tetrahedral electron groups) | 2 BP, 2 LP |  | H_2O |