

## CONCEPT: MOLECULAR GEOMETRY

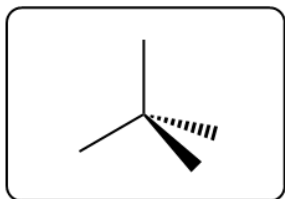
Molecular geometry is based on **VSEPR theory**: "Bond sites will \_\_\_\_\_ each other as much as possible."

- The molecular geometry predicts what shape the hybridized atom will have.

Hybridization:



Shape:

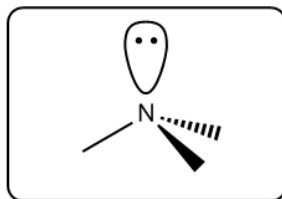


Lone Pairs:

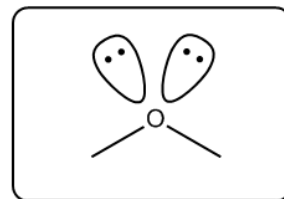


Geometry:

\_\_\_\_\_



\_\_\_\_\_

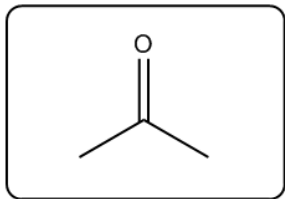


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Hybridization:



Shape:

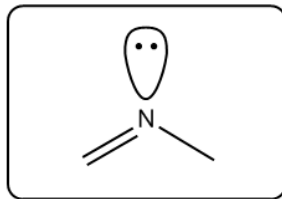
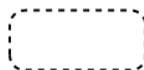


Lone Pairs:

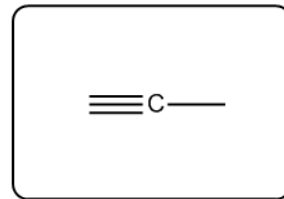


Geometry:

\_\_\_\_\_

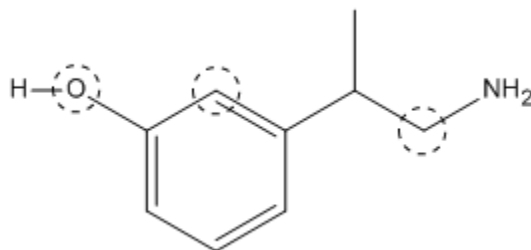


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**EXAMPLE:** Predict the hybridization and molecular geometry of the following selected atoms:



**PRACTICE:** Determine the hybridization and molecular geometry of the following selected atoms:

