

Molecular Shapes Activity & Notes

Introduction: The 2-D Lewis Structures we draw on paper aren't exactly what the molecules look like in 3-D space. Let's see what they actually look like...

1. **Draw the Lewis Structures** for the molecules listed below. Check answers with your teacher.
2. Obtain a Molecular Model kit and **build each molecule** you drew. (Have one person from your table build a different molecule.)
 - a. Take a picture of OR sketch what the model looks like and insert it into the blank space next to the Lewis Structure.
3. Reconvene with your class and record the **names of the shapes** as your teacher summarizes what you revealed.

Molecule 1: N₂

Molecule 2: H₂O

Molecule 3: BH₃

Molecule 4: NH₃

Molecule 5: CH₄

Molecule 6: CO₂