

Name: _____

Date: _____

PREDICTING MOLECULAR GEOMETRY

Draw the Lewis structure and predict the molecular geometry for each of the following problems (2 points each). *Include the geometrical “code” (ex. AB₂), the name of the geometry, and draw the Lewis structure in the correct shape.*

1. CO₂

2. OF₂

3. PCl₅

4. CH₂Cl₂

5. HCN

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6. ICl_5

7. NH_3

8. $(\text{SO}_4)^{2-}$

9. $(\text{ClO}_2)^{-1}$