Chemistry I-Standard

VSEPR Theory & Shapes of Molecules Practice

For each substance, draw the Lewis structure, assign a molecular shape, and determine the bond angle:

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| 1. CF4 | 2. NH3  | 3. water |
| 4. carbon dioxide | 5. nitrogen gas | 6. sulfur dioxide |
| 7. aluminum chloride | 8. PCl3 | 9. HCN |
| 10. OF2 | 11. ozone (O3) | 12. ammonium ion (NH4+) |