Name Period Date

## Molecular Geometry – Ch. 8

For each of the following molecules, draw the Lewis Diagram and tally up the electron pairs. Then, identify the correct the molecular shape and bond angle.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **molecule** | **lewis diagram** | **e- pairs** | **shape** | **bond angle** | **Polarity** |
| 1. SeO3 |  |  |  |  |  |
| 2. AsH3  |  |  |  |  |  |
| 3. NO2 - |  |  |  |  |  |
| 4. BeF2 |  |  |  |  |  |

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| **molecule** | **lewis diagram** | **e- pairs** | **shape** | **bond angle** | **Polarity** |
| 5. SiH4 |  |  |  |  |  |
| 6. SeH2 |  |  |  |  |  |
| 7. PF5 |  |  |  |  |  |
| 8. SCl6 |  |  |  |  |  |