**General Chemistry VSEPR and Polarity Quiz**

1. Fill in the blanks in this chart:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Compound | Lewis Structure (4 pt) | Bond  Angle (1 pt) | Shape (1 pt) | Is it polar? (1 pt) |
| PBr3 |  |  |  |  |
| BBr3 |  |  |  |  |
| SiH4 |  |  |  |  |

1. Why do polar covalent compounds have higher melting and boiling points than nonpolar compounds? (3 pt)
2. Which would you expect to have a higher melting point, BH3 or NH3? Explain your answer. (5 pt)