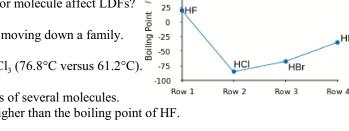
Intermolecular Forces of Attraction Questions

- 1. How are intramolecular and intermolecular forces of attraction different?
- 2. What impact does non-directional bonding have on aggregate structure?
- 3. Why do ionic solids continuously grow into larger and larger crystals?
- 4. How does the number of electrons present in an atom or molecule affect LDFs?
- 5. How does the size of a molecule affect LDFs?
- 6. Explain why melting point of elements **INCREASES** moving down a family.
- 7. How can a non-polar molecule possess a dipole?
- 8. Explain why CCl₄ has a higher boiling point than CHCl₃ (76.8°C versus 61.2°C).
- 9. Explain why frozen pipes burst.
- 10. Explain the adjacent graph depicting the boiling points of several molecules.
- 11. Explain why the boiling point of water substantially higher than the boiling point of HF.



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