Learning Target: I can describe and explain the differences between intramolecular and intermolecular forces.

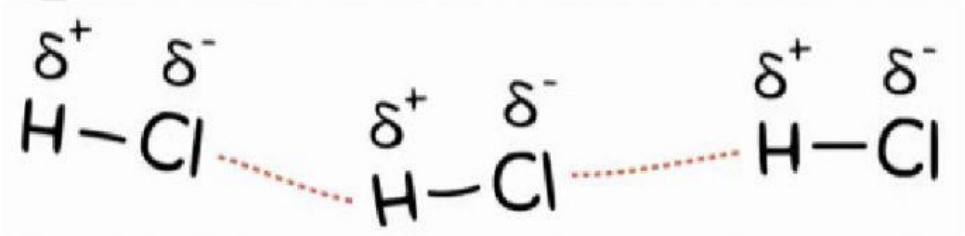
Intermolecular vs. Intramolecular Forces Video Notes

1. Why are electrons attracted to the nucleus of an atom? _____
2. Why are cations and anions attracted to each other? _____

Intermolecular vs. Intramolecular Forces:

- Intramolecular forces are attractive forces that hold _____ (or substance). These are _____ and usually called _____ bonds.
- Intermolecular forces are _____ attractive forces that exist between _____

3. Label the parts of the diagram below where the intramolecular and intermolecular forces are.



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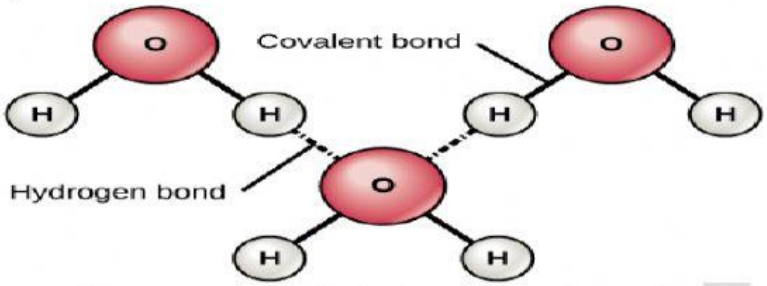
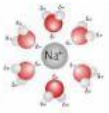
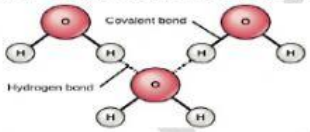
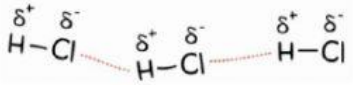
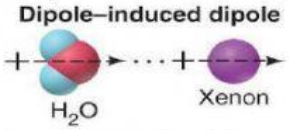
4. Label the parts of the diagram below where the intramolecular and intermolecular forces are.



5. What are some of the strongest intramolecular forces in order of strength?
   a. _____bonds = attraction between _____
   b. _____bonds = attraction between _____
   c. _____Bonds = attraction between _____

6. What are some of the strongest intermolecular forces in order of strength?
   a. _____force = attraction between an _____ molecule 
   b. _____bond = attraction between special type of _____
   
   c. _____Forces = attraction between _____ 
   d. _____Dipole = attraction between _____ molecules.



   e. _____Forces = attraction between _____

Review:

- Intramolecular forces are attractive forces that exist between atoms within _____
- Intermolecular forces are attractive forces that exist between _____
- The common types of intramolecular forces, known as chemical bonds are _____
  _____
- The common types of intermolecular forces, ranked roughly by strength, are _____
  _____

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