

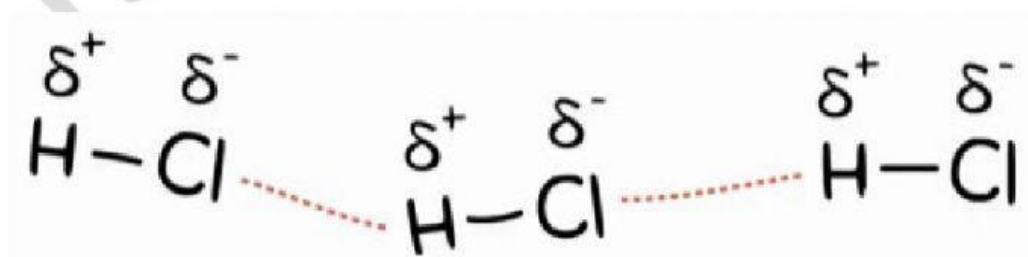


Intermolecular vs. Intramolecular Forces Video Notes

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

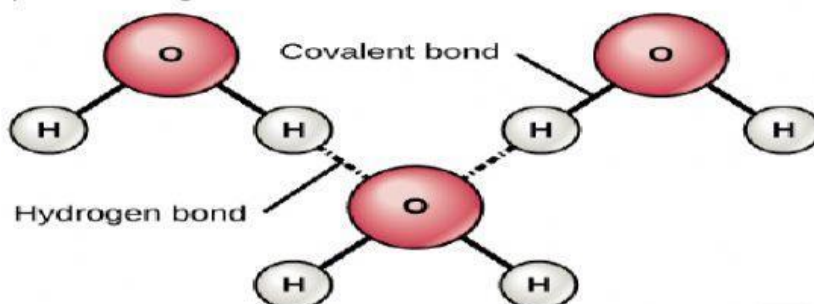
Intermolecular vs. Intramolecular Forces:

- 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.



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

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

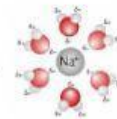


5. What are some of the strongest intramolecular forces in order of strength?

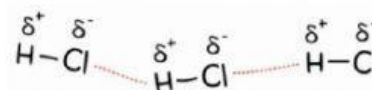
- _____ bonds = attraction between _____
- _____ bonds = attraction between _____
- _____ Bonds = attraction between _____

6. What are some of the strongest intermolecular forces in order of strength?

- _____ force = attraction between an _____ molecule
- _____ bond = attraction between special type of _____

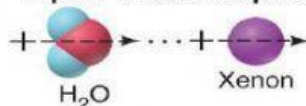


- _____ Forces = attraction between _____



- _____ Dipole = attraction between _____ molecules.

Dipole-induced dipole



- _____ 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 _____