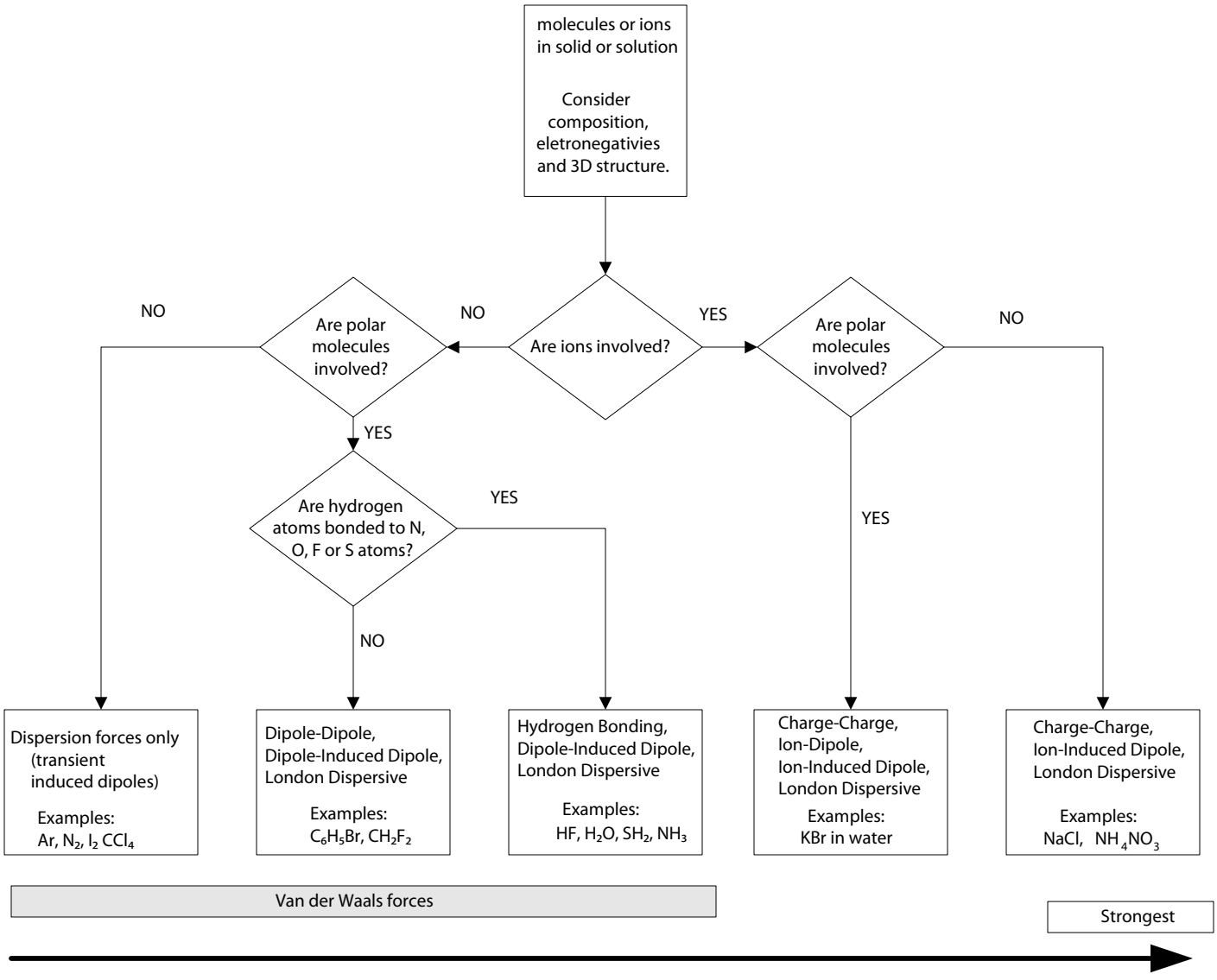
Intermolecular Forces



Strength of Interspecies Forces Generally Increases from Left to Right

Notes

1. Dispersive forces are found in all substances. The strength of dispersive forces increases with Molar Mass.

2. Dipole-Dipole forces add to the effect of dispersive forces and are found in polar molecules.

3. Hydrogen bonds, which require H atoms bonded to F, O, or N, also add to the effect of dispersion forces. Hydrogen bonds tend to be the strongest type of intermolecular forces.

4. Charge-Charge interactions are strong and long range, but are attenuated in water.