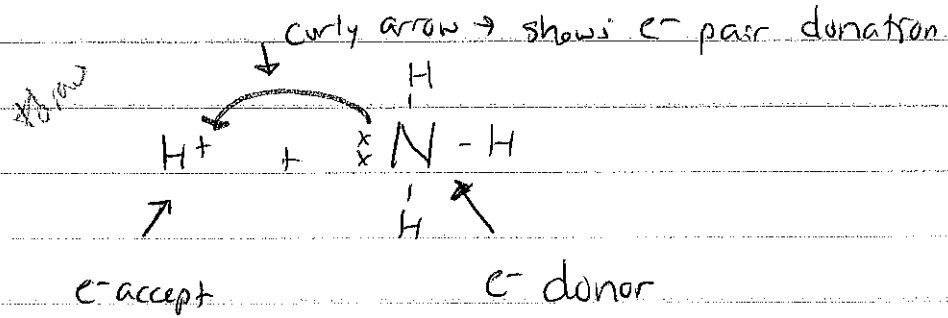


18.1 Lewis Acids & Bases

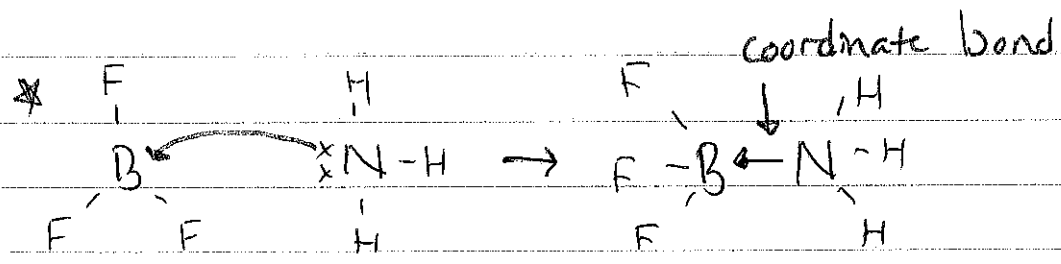
Lewis Theory → e⁻ pairs

- Lewis acid: lone pair acceptor
- Lewis base: lone pair donor (same for B/L)



Lewis acid → broader definition

- applies to any species capable of accepting e⁻ pair (incomplete valence shell)
- results in formation of coordinate (covalent) bond



★ transition metals → vacant d subshells →
 bond w/ ligands & form complex ions

