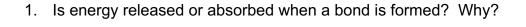
In Class 7: Lewis Dot Structures, VSEPR, resonance, and bonding applications



- 2. Draw valid Lewis dot structures (including equivalent resonance structures if relevant) for the following and then predict the geometry and bond angles:
 - a. H₃PO₄
 - b. CO₃²-
 - c. KrF₃⁺

Justify the following statement using diagrams and appropriate bonding models: The N-O bond distance in NO_3^- is longer than that in NO_2^- .