

16: 3, 4, 11, 14, 15, 17, 18, 20, 22, 26, 27, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

3. A. CF_3COOH - more electron withdrawing groups F
 B. H_2SO_4 - S more electron withdrawing than B
 C. HClO - Cl more electron withdrawing than I
 D. H_3PO_4 - H_2PO_4^- more stable than HPO_4^{2-}

4. A. CH_3COOH - $\text{CH}_3\text{C}(=\text{O})\text{OH}$ - more stable than CH_3CO^-
 B. HSO_4^- - KOH is a strong base
 C. HClO_4 - more oxygens
 D. $^+\text{NH}_4^-$ $^-\text{NH}_3$ is a base

