

Draw Lewis structures for the molecules below. Draw resonance structures where appropriate and label any formal charges. Rank resonance structures in order of importance to overall structure.

- 1.) $[\text{SCN}]^-$
- 2.) $[\text{HC}_2\text{O}_4]^-$
- 3.) SNF_3
- 4.) $[\text{S}_2\text{CO}]^{2-}$ (C is central)
- 5.) $[\text{IO}_3]^-$
- 6.) $[\text{HCO}_3]^-$
- 7.) PF_3
- 8.) $[\text{SO}_4]^{2-}$
- 9.) $[\text{C}_3\text{H}_5]^+$
- 10.) $[\text{S}_3\text{N}_3]^-$ (cyclic, every other atom is S)
- 11.) $[\text{ClO}_4]^-$