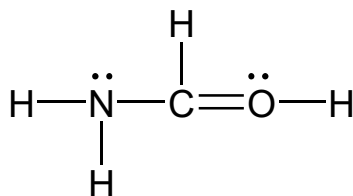
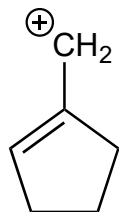


4A) (10 pts) For the Lewis structure given below, **provide any missing formal charges** and draw **TWO ADDITIONAL resonance forms**. **Rank each of the three resonance contributors** in order of importance and **explain** your answers. (If any are equivalent, be sure to indicate so in your answer.)



4B) (8 pts) One of the cations below is stabilized by resonance, and the other is not. Draw the additional resonance form(s) for the cation with resonance, and explain why the other cation cannot have resonance.

Draw additional resonance form(s) or explain why there is no resonance:



Draw additional resonance form(s) or explain why there is no resonance:

