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The molecule nitromethane ($pK_a = 10.2$, both oxygen atoms are bonded to the nitrogen atom) will react with a strong base to form an anion.

- (a) Give a base that is capable of producing the nitromethane anion as the major product.
- (b) Draw a complete Lewis representation of the anion formed from nitromethane. Include the three most important contributing structures. Label the single most important contributor.



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