

Answers to Exercise 8.3

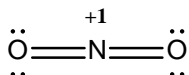
Drawing Lewis Diagrams (Including Formal Charges)

1. Where appropriate, both the formal-charge-minimized diagram and the obey-octet-rule diagram are shown in the answers below. Choose one convention and follow it. It is not acceptable to draw structures that are “half way between” the two conventions.

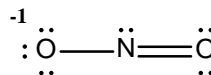
It is possible that an instructor may specify which convention you must follow on a test question. If a test question dictates a convention, you must follow that convention.

Where more than one degenerate resonance structure exists, only one is shown.

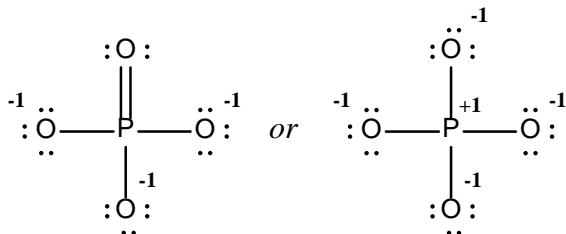
(a)



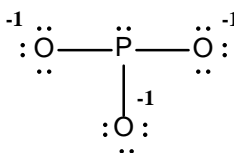
(b)



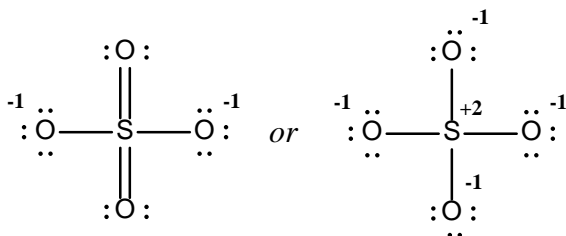
(c)



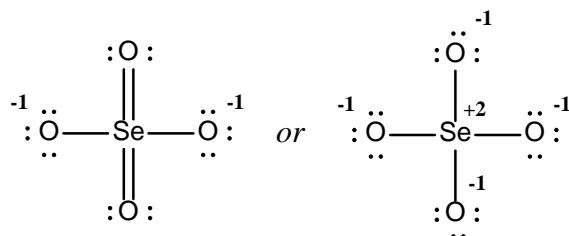
(d)



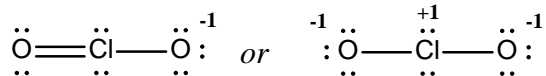
(e)



(f)



(g)



(h)

