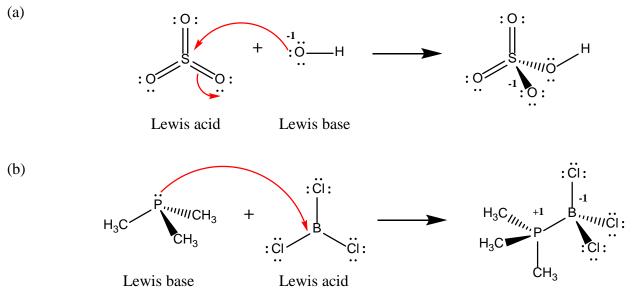
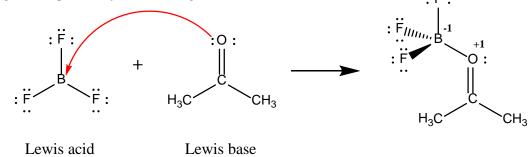


Answers to Exercise 10.3 Showing Electron Movement with Curly Arrows

2. The overall charge of the product should always be equal to the sum of the charges of the reactants!



(c) Compounds containing C=O bonds can either be Lewis acids (as we have seen with CO_2) or Lewis bases (sharing one of the lone pairs on O). BF₃ can only be a Lewis acid since B has no electron pair to share and neutral F rarely shares an electron pair (since that would give it a positive formal charge).



(d) Cu^{2+} is the Lewis acid. All six NH₃ are Lewis bases.

