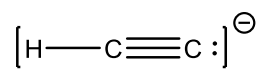




What is Lewis structure for HC_2^- ?

The Lewis structure for HC_2^- is:



Each carbon atom has four valence shells. The carbon on the left uses all of them to form a single bond with hydrogen and a triple bond with the carbon on the right. The carbon on the right uses three electrons to form a triple bond, while the other electrons represent one lone electronic pair.