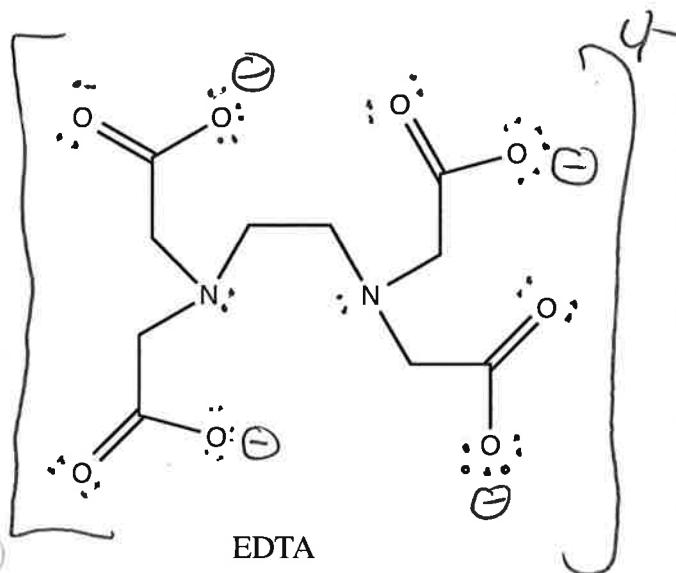


KEY

In Class 15: Introduction to coordination chemistry

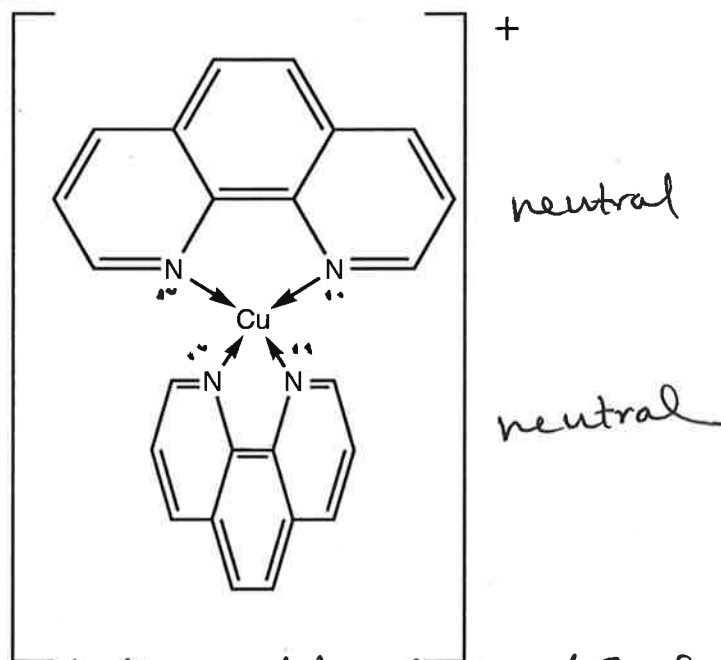
For the following ligands, identify how you would classify their charge and binding mode to the metal(s) based on what we've covered in class. Identify the charge on any metals present in these complexes and the coordination number.



EDTA

 $\text{Co}(\text{EDTA})^-$

hexadentate

 $\text{CN} = 6$ Co^{3+} 

neutral

neutral

~~tetra~~ bidentate (2 of them) $\text{CN} = 4$ Cu^+