

Answer on Question #56304 - Chemistry - General Chemistry

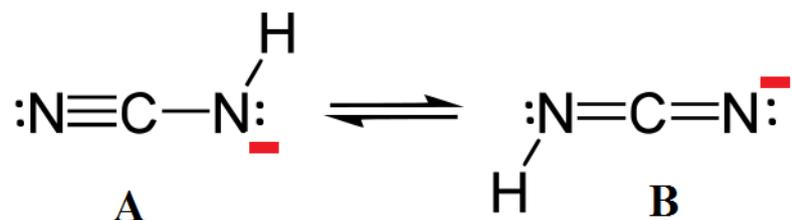
Question:

1. What are the 2 possible lewis resonance structures of CN_2H^- ? Which one is most likely.
2. what are all the possible resonance structures of $(\text{ClO}_3)^-$. there are 3

Answers:

1.

There are different possible structures of CN_2H^- . So i assume you are talking about cyanamide anion. There are exist two resonance structures of it. The most likely is a right form A.



2.

Chlorate anion can be presented in three different resonance form. Each structure has two double bonds and one single Cl-O bond with a negative charge located on the oxygen atom. Because there are 3 oxygen atoms in the anion, 3 different resonance forms can be drawn.

