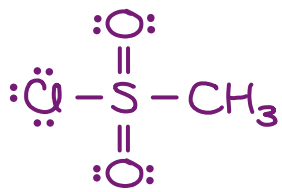
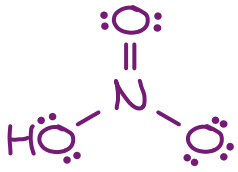
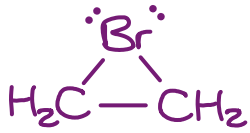
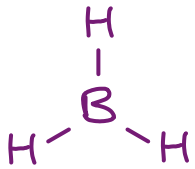
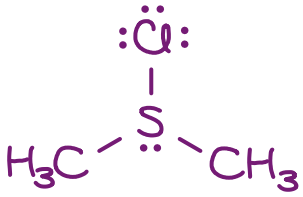
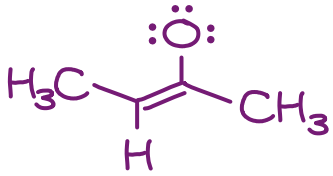
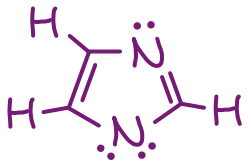
FORMAL CHARGE PRACTICE

Part 1

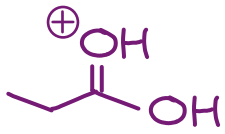
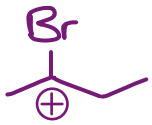
◊ Assign the formal charge to all atoms and determine the overall charge of the molecule. All lone pairs and hydrogens attached to carbon are shown.

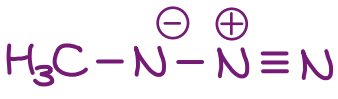
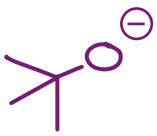
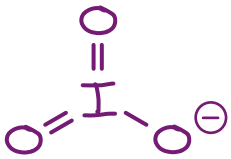







Part 2

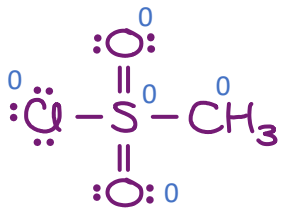
◊ Draw in any lone pairs and any hydrogens attached to carbon. If the formal charge for an atom is not indicated, it is assumed to be zero.

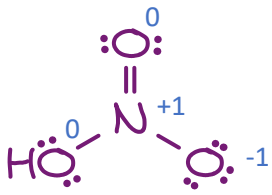




Part 1 answers

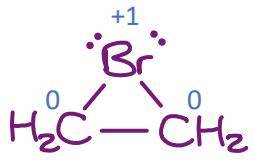
◊ Assign the formal charge to all atoms and determine the overall charge of the molecule. All lone pairs and hydrogens attached to carbon are shown. H as part of a molecule always has a formal charge of zero



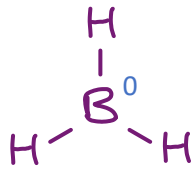
overall charge 0



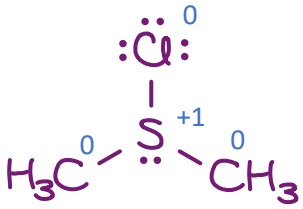
overall charge 0



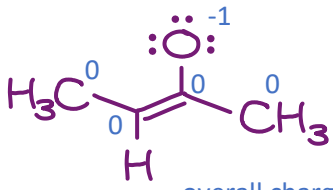
overall charge +1



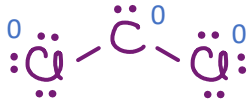
overall charge 0



overall charge +1

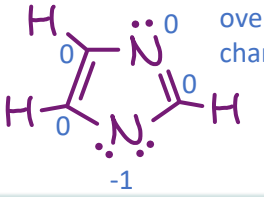


overall charge -1



overall charge 0

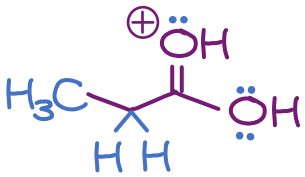
overall charge -1

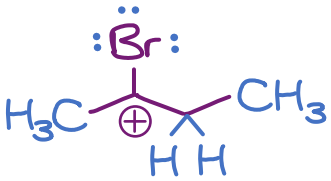


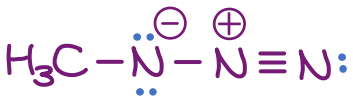
overall charge -1

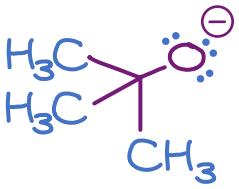
Part 2 answers

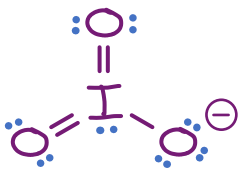
◊ Draw in any lone pairs and any hydrogens attached to carbon. If the formal charge for an atom is not indicated, it is assumed to be zero.

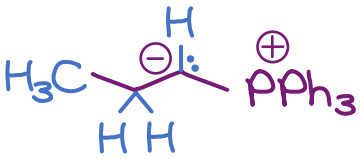












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