

## Answer on Question #40522 - Chemistry – Other

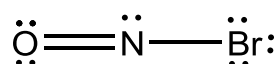
### Question

How many regions of electron density are there around the N atom in NOBr?

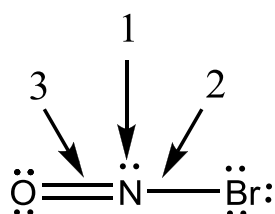
### Answer:

At first we should remember that each lone pair or unpaired electron is one region and each single bond, double bond or triple bond is one region too.

The structure formula of NOBr molecule is:



We draw the dots around each atom to designate the valence electrons of each atom in this molecule in accordance with Lewis Structure Theory. We see that there is one lone pair of electrons, one single bond and one double bond around the N atom in NOBr. That means that there are 3 regions of electron density around the N atom in NOBr:



**Answer:** There are 3 regions of electron density around the N atom in NOBr.