```
Carbon c
Oxygen o
Chlorine cl1, cl2
Bond b1 := MakeSingleBond(c, cl1)
Bond b2 := MakeSingleBond(c, cl2)
Bond b3 := MakeDoubleBond(c, o)
ZeroValenceElectrons(c)
FourValenceElectrons(o)
SixValenceElectrons(cl1)
SixValenceElectrons(cl2)
```