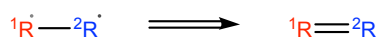


# RMG-Py Reaction Families

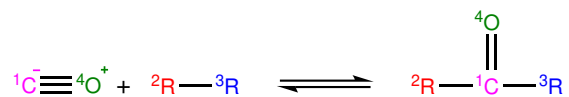
## 1+2\_Cycloaddition



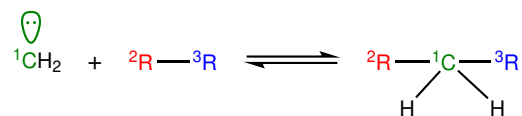
## 1,2-Birad\_to\_alkene



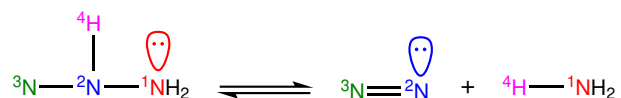
## 1,2\_Insertion\_CO



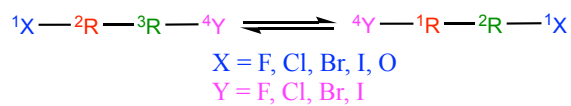
## 1,2\_Insertion\_carbene



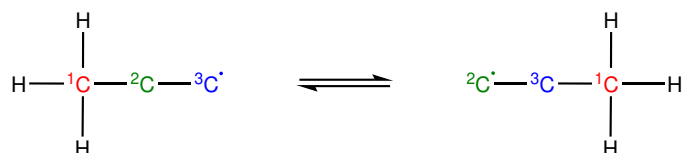
## 1,2\_NH3\_elimination



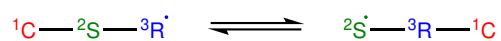
## 1,2\_XY\_interchange



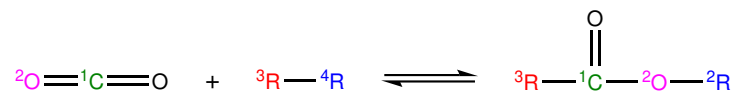
## 1,2\_shiftC



1,2\_shiftS



1,3\_Insertion\_CO2



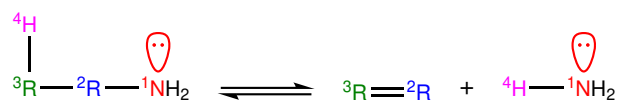
1,3\_Insertion\_ROR



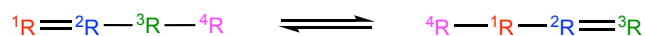
1,3\_Insertion\_RSR



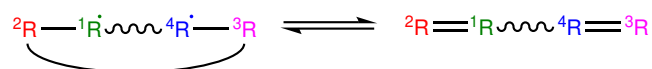
1,3\_NH3\_elimination



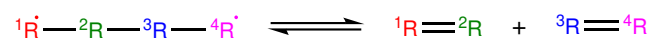
1,3\_sigmatropic\_rearrangement



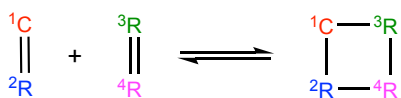
1,4\_Cyclic\_birad\_scission



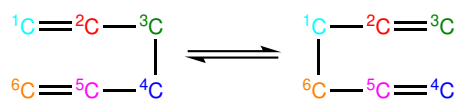
1,4\_Linear\_birad\_scission



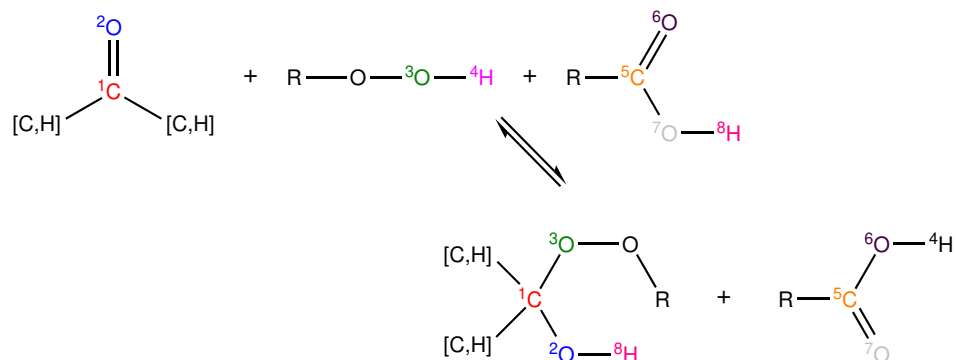
2+2\_cycloaddition



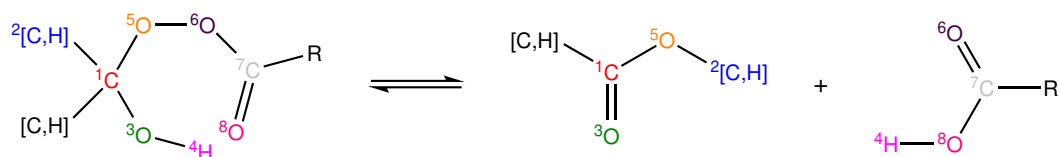
### 6\_membered\_central\_C-C\_shift



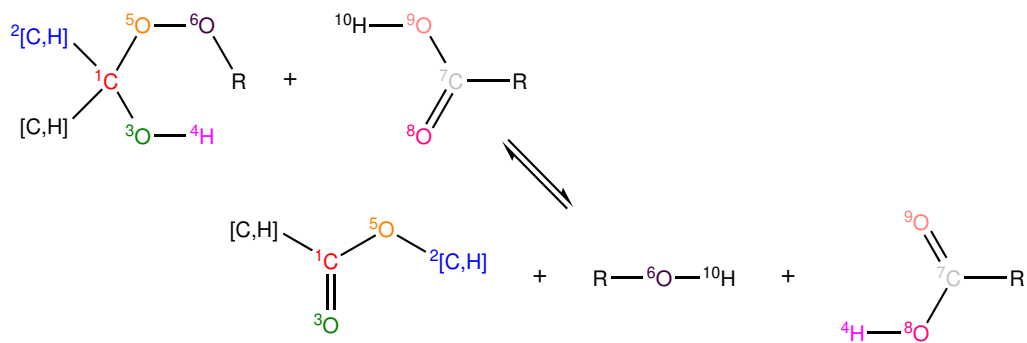
### Baeyer-Villiger\_step1\_cat



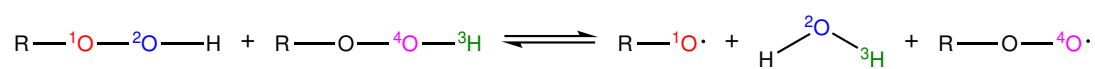
### Baeyer-Villiger\_step2



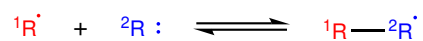
### Baeyer-Villiger\_step2\_cat



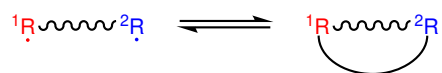
### Bimolec\_Hydroperoxide\_Decomposition



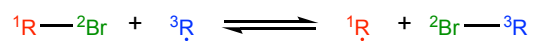
### Birad\_R\_Recombination



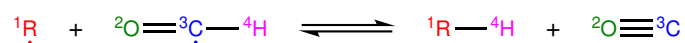
### Birad\_recombination



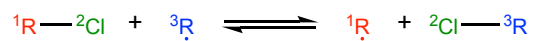
### Br\_Abstraction



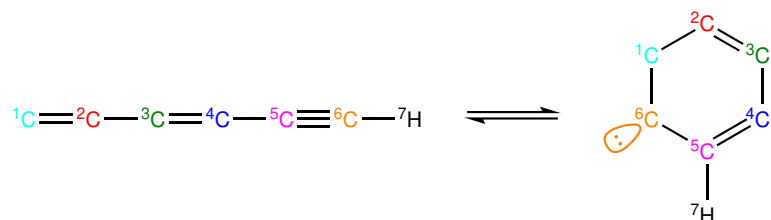
### CO\_Disproportionation



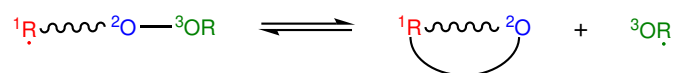
### Cl\_Abstraction



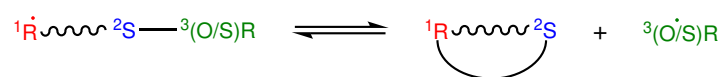
### Concerted\_Intra\_Diels\_alder\_monocyclic\_1,2\_shiftH



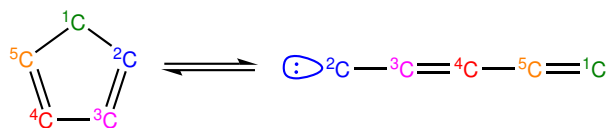
### Cyclic\_Ether\_Formation



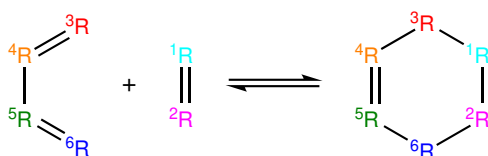
### Cyclic\_Thioether\_Formation



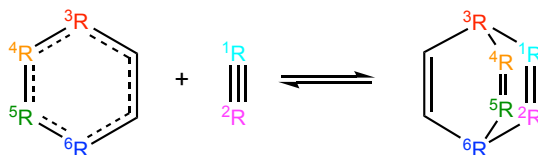
## Cyclopentadiene\_scission



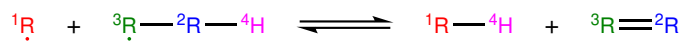
## Diels\_alder\_addition



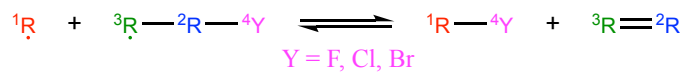
## Diels\_alder\_addition\_Aromatic



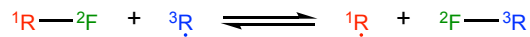
## Disproportionation



## Disproportionation-Y



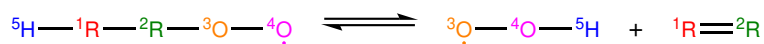
## F\_Abstraction



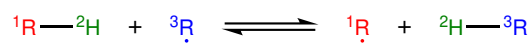
## H2\_Loss

Image Not Available

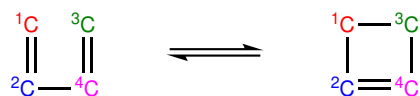
## H02\_Elimination\_from\_PeroxyRadical



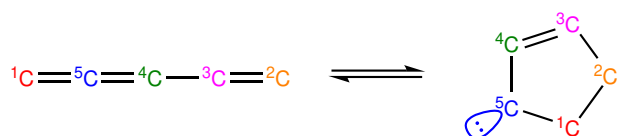
H\_Abstraction



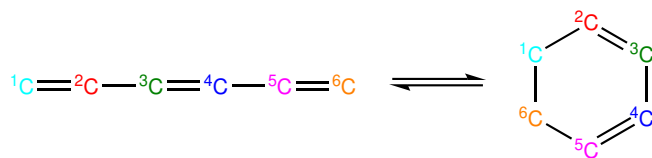
Intra\_2+2\_cycloaddition\_Cd



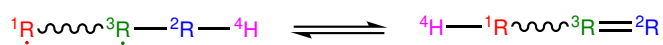
Intra\_5\_membered\_conjugated\_C=C\_C=C\_addition



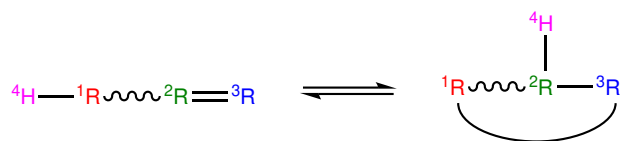
Intra\_Diels\_alder\_monocyclic



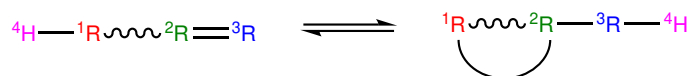
Intra\_Disproportionation



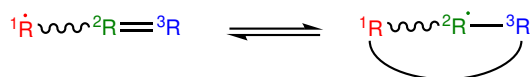
Intra\_RH\_Add\_Endocyclic



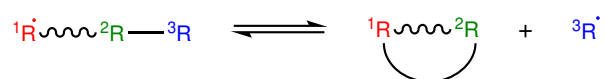
Intra\_RH\_Add\_Exocyclic



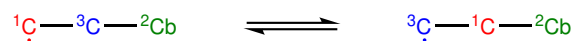
Intra\_R\_Add\_Endocyclic



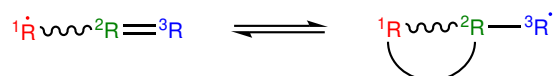
Intra\_R\_Add\_ExoTetCyclic



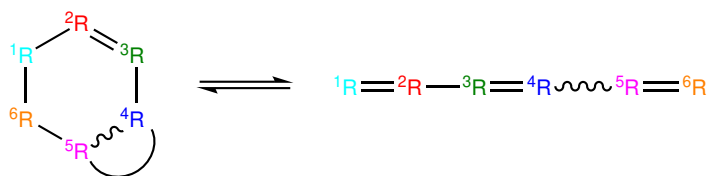
Intra\_R\_Add\_Exo\_scission



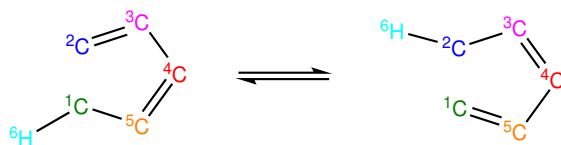
Intra\_R\_Add\_Exocyclic



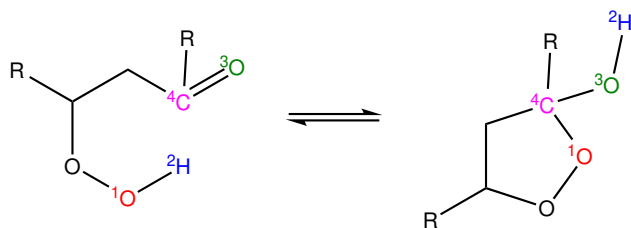
Intra\_Retro\_Diels\_alder\_bicyclic



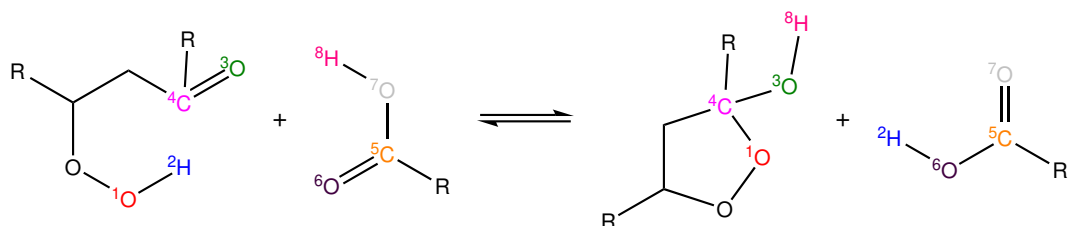
Intra\_ene\_reaction



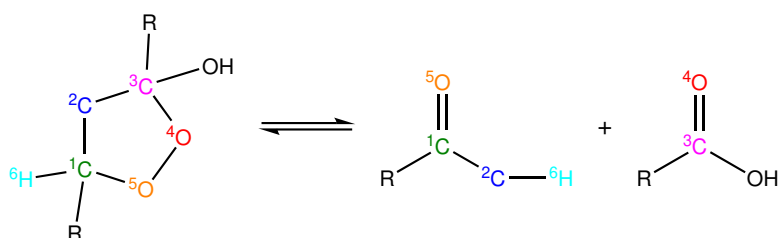
Korcek\_step1



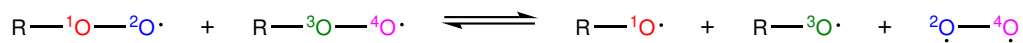
Korcek\_step1\_cat



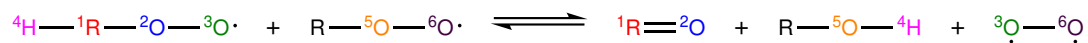
Korcek\_step2



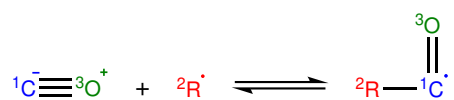
Peroxyl\_Disproportionation



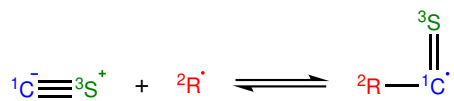
Peroxyl\_Termination



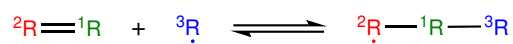
R\_Addition\_COm



R\_Addition\_CSm

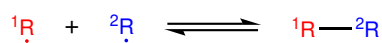


R\_Addition\_MultipleBond

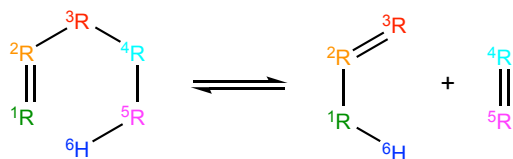




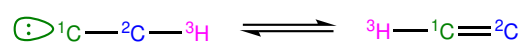
## R\_Recombination



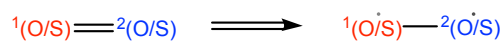
## Retroene



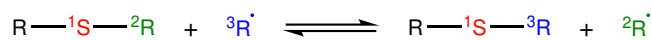
## Singlet\_Carbene\_Intra\_Disproportionation



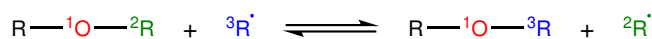
## Singlet\_Val6\_to\_triplet



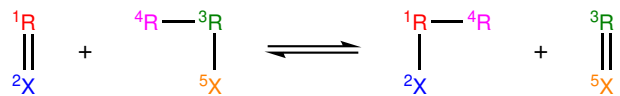
## SubstitutionS



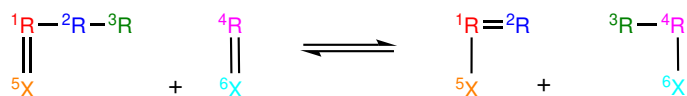
## Substitution\_O



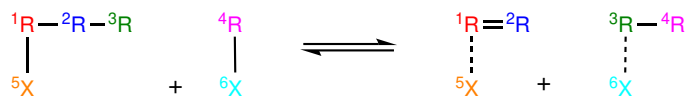
## Surface\_Abstraction



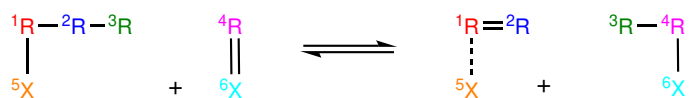
## Surface\_Abstraction\_Beta



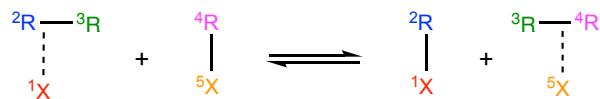
## Surface\_Abstraction\_Beta\_double\_vdW



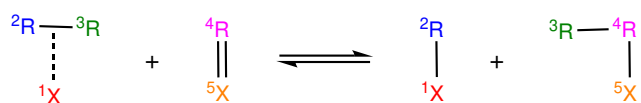
### Surface\_Abstraction\_Beta\_vdW



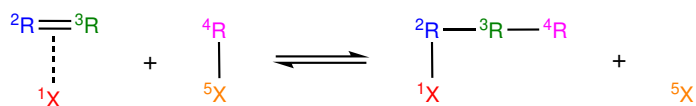
### Surface\_Abstraction\_Single\_vdW



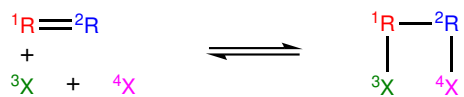
### Surface\_Abstraction\_vdW



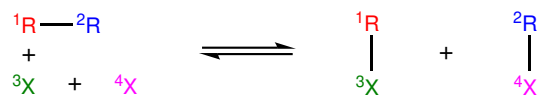
### Surface\_Addition\_Single\_vdW



### Surface\_Adsorption\_Bidentate



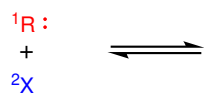
### Surface\_Adsorption\_Dissociative



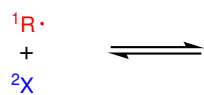
### Surface\_Adsorption\_Dissociative\_Double



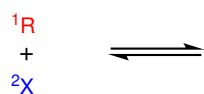
### Surface\_Adsorption\_Double



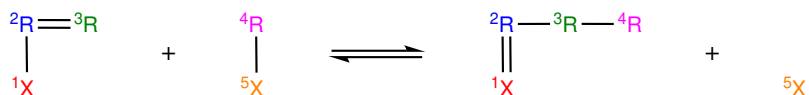
### Surface\_Adsorption\_Single



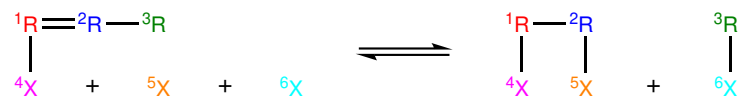
### Surface\_Adsorption\_vdW



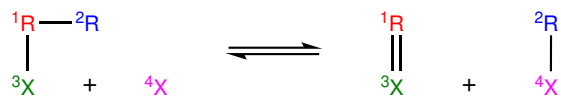
### Surface\_Association\_Beta



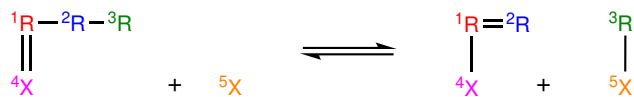
### Surface\_Bidentate\_Dissociation



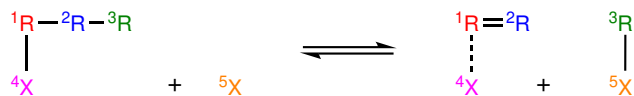
### Surface\_Dissociation



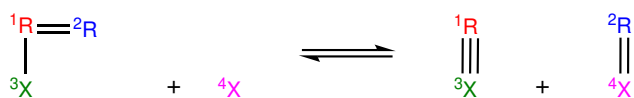
### Surface\_Dissociation\_Beta



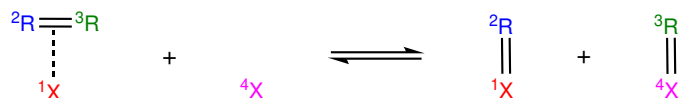
### Surface\_Dissociation\_Beta\_vdW



## Surface\_Dissociation\_Double



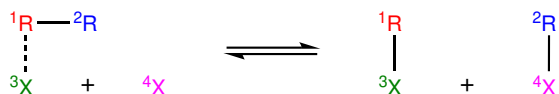
## Surface\_Dissociation\_Double\_vdW



## Surface\_Dissociation\_to\_Bidentate

Image Not Available

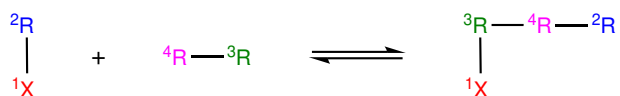
## Surface\_Dissociation\_vdW



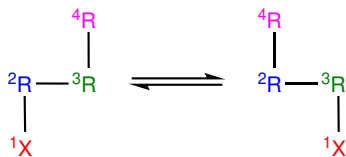
## Surface\_DoubleBond\_to\_Bidentate

Image Not Available

## Surface\_EleyRideal\_Addition\_Multiple\_Bond



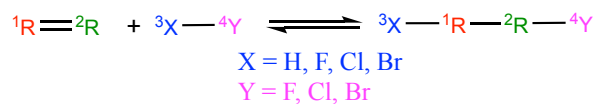
## Surface\_Migration



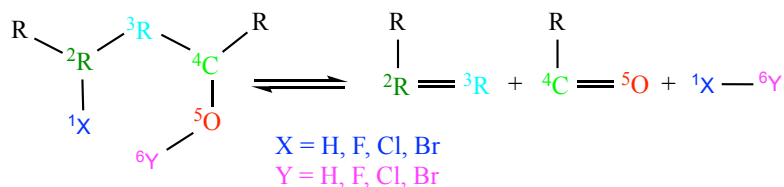
## Surface\_vdW\_to\_Bidentate

Image Not Available

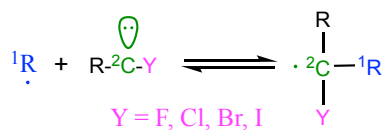
## XY\_Addition\_MultipleBond



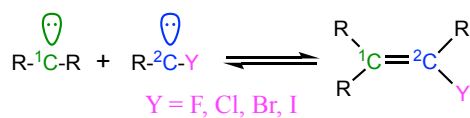
## XY\_elimination\_hydroxyl



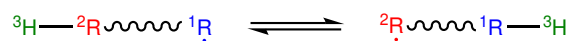
## halocarbene\_recombination



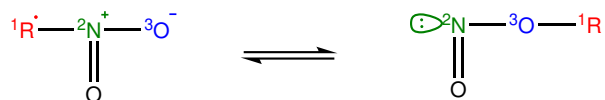
## halocarbene\_recombination\_double



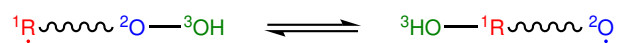
## intra\_H\_migration



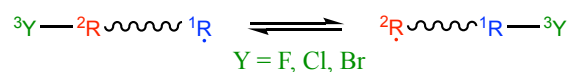
## intra\_NO2\_ONO\_conversion



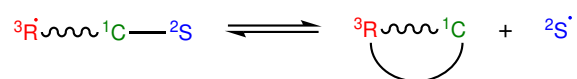
## intra\_OH\_migration



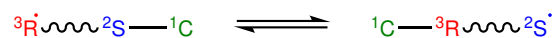
## intra\_halogen\_migration



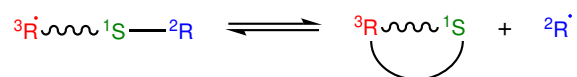
intra\_substitutionCS\_cyclization



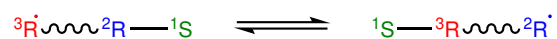
intra\_substitutionCS\_isomerization



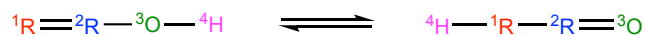
intra\_substitutionS\_cyclization



intra\_substitutionS\_isomerization



ketoenol



lone\_electron\_pair\_bond

