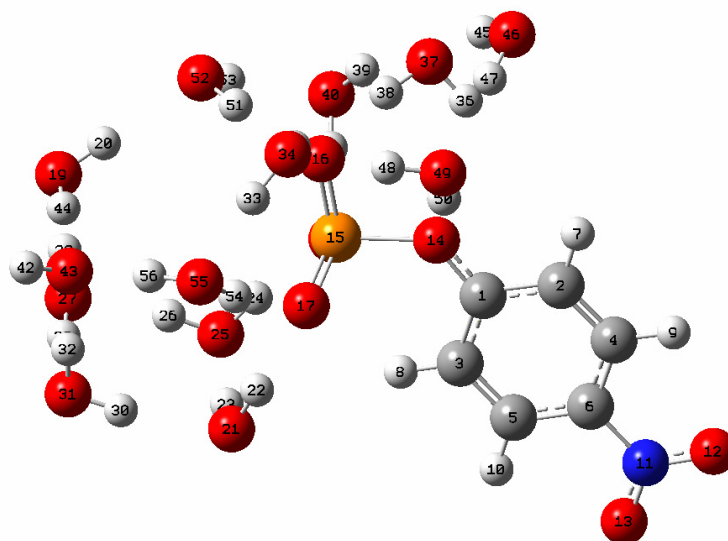


Mechanism of Alkaline Hydrolysis of *p*-Nitrophenyl Phosphate

Lidong Zhang^a, Daiqian Xie^{a,*}, Dingguo Xu^b, Hua Guo^{b,*}

Supporting information:

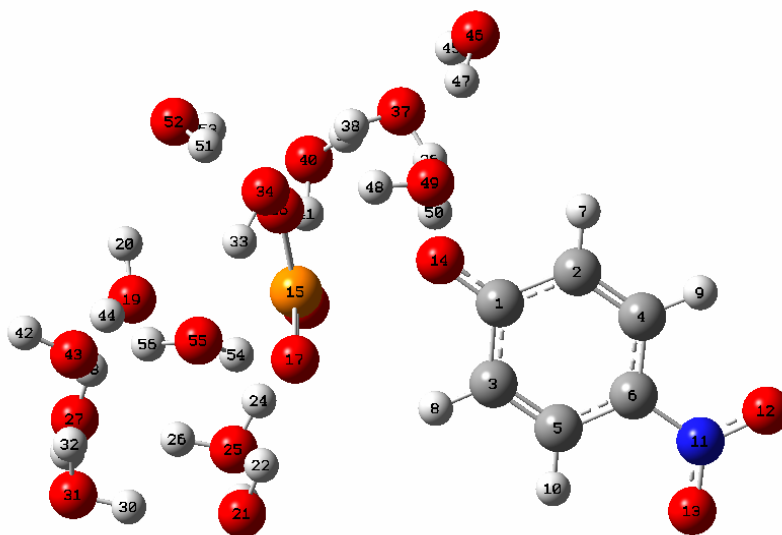
1. Figure and Cartesian coordinates of RC for n=12



6	-0.040827	0.122157	-0.019041
6	-0.058497	0.163829	1.401157
6	1.211147	0.158407	-0.687970
6	1.113527	0.246640	2.126343
6	2.382422	0.240865	0.044085
6	2.343061	0.288384	1.448620
1	-1.022859	0.125941	1.898649
1	1.236146	0.114994	-1.769488
1	1.106409	0.280085	3.208968
1	3.342595	0.268259	-0.456633
7	3.562535	0.380031	2.201448
8	3.497694	0.420930	3.445400
8	4.645041	0.417596	1.591793
8	-1.213807	0.052014	-0.629716
15	-1.472659	0.040661	-2.410061

8	-3.014023	-0.016269	-2.370110
8	-0.748246	-1.213152	-2.860474
8	-0.899935	1.386410	-2.852614
8	-3.242166	-0.008966	-7.128778
1	-3.580503	0.390484	-6.306871
8	1.458058	-1.164206	-4.663828
1	0.718055	-1.290712	-4.031026
1	1.370442	-0.217662	-4.908676
1	0.137709	1.566841	-4.475925
8	0.755864	1.558338	-5.236661
1	0.216626	1.363235	-6.038482
8	-0.571642	0.726719	-7.608442
1	-1.540788	0.605131	-7.460138
1	-0.237552	-0.202112	-7.581654
1	0.589719	-1.879854	-6.382445
8	0.132897	-1.982506	-7.239407
1	-0.823808	-2.239094	-7.011512
1	-3.628046	-3.010521	-2.938972
8	-4.214877	-2.566637	-2.273786
1	-3.951837	-1.627081	-2.386442
1	-3.112047	1.734715	-0.039200
8	-3.943631	1.687192	-0.530618
1	-3.715565	1.020995	-1.245101
1	-3.349406	3.080526	-2.136319
8	-2.809688	3.420098	-2.869529
1	-2.058147	2.776525	-2.905491
1	-2.815158	-3.120720	-7.216442
8	-2.396784	-2.478193	-6.629847
1	-2.985313	-0.966011	-6.909428
1	-4.872047	0.523528	0.847772
8	-5.046417	-0.150527	1.531901
1	-4.579288	-0.939776	1.183466
1	-3.729313	-2.492650	-0.553353
8	-3.396491	-2.203735	0.336159
1	-2.665241	-1.610340	0.101502
1	-3.904415	0.718668	-3.899562
8	-4.237600	1.334653	-4.585541
1	-3.807966	2.168967	-4.327729
1	-1.685533	-2.714752	-3.699642
8	-2.297188	-3.364005	-4.100042
1	-2.385055	-3.058465	-5.059155

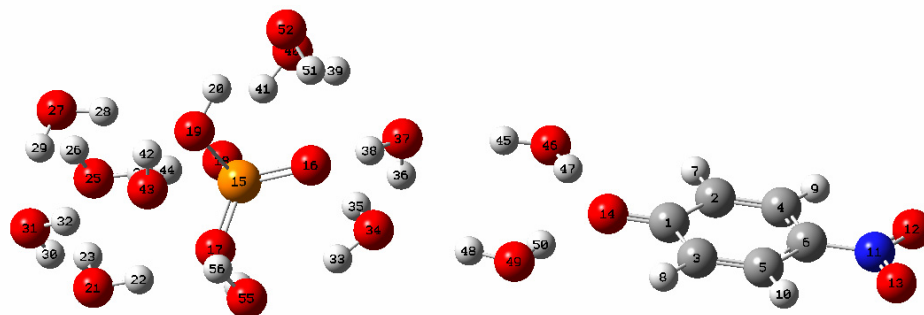
2. Figure and Cartesian coordinates of TS for n=12



6	0.136691	0.147744	-0.230576
6	0.117132	0.724053	1.090288
6	1.412062	-0.310021	-0.714950
6	1.260834	0.839416	1.847453
6	2.551813	-0.191021	0.048369
6	2.496119	0.386140	1.337756
1	-0.841707	1.061564	1.474818
1	1.444208	-0.753891	-1.704066
1	1.238880	1.274194	2.840333
1	3.509695	-0.536161	-0.323605
7	3.673490	0.509514	2.122628
8	3.596575	1.026830	3.261318
8	4.761251	0.100031	1.661941
8	-0.942408	0.054698	-0.926131
15	-1.213154	-0.637415	-3.381786
8	-2.693355	-0.355080	-3.192261
8	-0.671290	-2.022467	-3.177781
8	-0.328327	0.469982	-3.898837
8	-1.929762	-1.179562	-6.086190
1	-2.701124	-0.594690	-6.096890
8	1.560147	-3.025626	-4.766443
1	0.815716	-2.815092	-4.167678
1	1.788096	-2.147239	-5.138896
1	1.097205	0.000168	-5.209509
8	1.749640	-0.359191	-5.844002
1	1.222334	-0.610052	-6.636728

8	0.095599	-1.318692	-7.949132
1	-0.699366	-1.120935	-7.397154
1	0.181028	-2.292331	-7.819565
1	0.591945	-3.848584	-6.311692
8	0.068621	-4.032932	-7.117581
1	-0.890019	-3.993583	-6.809816
1	-3.791118	-3.248134	-2.627869
8	-4.264472	-2.511774	-2.170965
1	-3.858980	-1.725326	-2.590695
1	-2.148391	1.446985	-1.080335
8	-2.938257	1.891882	-1.464718
1	-3.205401	1.198827	-2.101816
1	-2.153841	2.834700	-3.132906
8	-1.770833	2.917239	-4.026369
1	-1.165816	2.142138	-4.069735
1	-3.165110	-3.954545	-6.795243
8	-2.439100	-3.696839	-6.214707
1	-2.241633	-2.163303	-6.132173
1	-4.169964	1.536839	0.115677
8	-4.586002	1.082166	0.872107
1	-4.252046	0.165421	0.765380
1	-3.634513	-1.902011	-0.496559
8	-3.257585	-1.401274	0.261798
1	-2.450755	-0.987686	-0.103559
1	-3.666372	0.588652	-4.548020
8	-3.882922	1.229571	-5.254344
1	-3.231772	1.935495	-5.075362
1	-1.839353	-3.632978	-3.339377
8	-2.564617	-4.233773	-3.593929
1	-2.604506	-4.107934	-4.591796

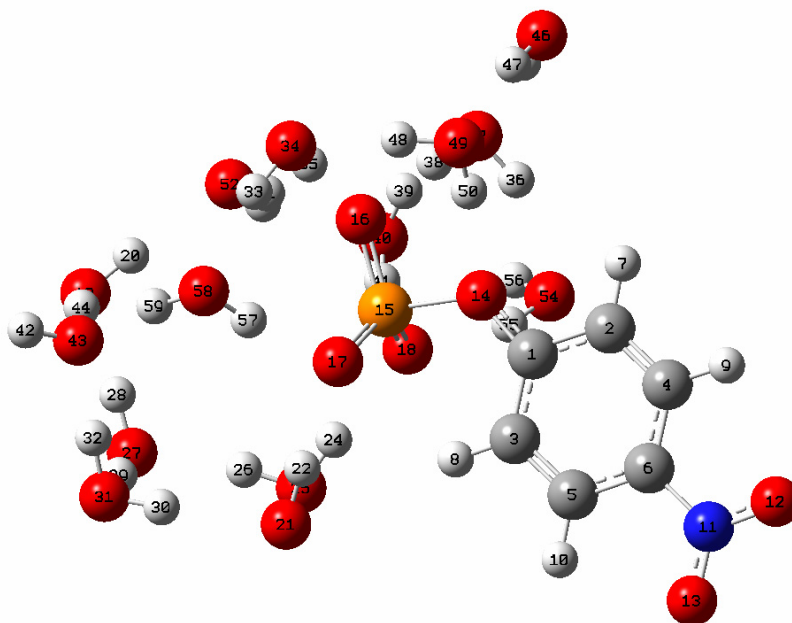
3. Figure and Cartesian coordinates of PC for n=12



6	0.066777	-0.020204	0.037927
6	0.079620	-0.010607	1.488170
6	1.357641	0.145758	-0.601555
6	1.240215	0.145717	2.204362
6	2.512882	0.302186	0.123065
6	2.480444	0.305556	1.539407
1	-0.876049	-0.134471	1.990554
1	1.372190	0.141219	-1.688087
1	1.237872	0.150666	3.288999
1	3.472965	0.426452	-0.366063
7	3.671538	0.466231	2.280641
8	3.620570	0.464933	3.535253
8	4.760542	0.607418	1.672216
8	-1.004097	-0.164264	-0.629689
15	-7.504176	-0.547616	-4.620138
8	-6.244551	-0.979827	-3.823961
8	-7.262854	0.495199	-5.717596
8	-8.729334	-0.292261	-3.723225
8	-7.898866	-1.948714	-5.520726
1	-7.775936	-2.725921	-4.928525
8	-9.424914	1.484258	-7.079560
1	-8.589279	1.234806	-6.602979
1	-10.115409	1.240737	-6.426531
1	-10.281378	0.145799	-4.481863
8	-11.083968	0.289665	-5.049019
1	-11.150703	-0.543457	-5.553310
8	-10.582606	-2.102166	-6.713029
1	-9.733995	-2.127225	-6.227289
1	-10.346912	-1.641252	-7.546978
1	-9.478722	0.223202	-8.332166
8	-9.506180	-0.591029	-8.900359
1	-8.618617	-0.983557	-8.810095

1	-3.881652	-0.343986	-5.802228
8	-3.617248	-0.743513	-4.952303
1	-4.473385	-0.838772	-4.481113
1	-6.197378	0.337827	-1.068955
8	-6.023434	-0.602796	-1.198009
1	-6.049369	-0.719655	-2.195358
1	-7.807993	-1.603043	-1.159141
8	-8.622383	-1.976355	-1.546405
1	-8.797791	-1.353860	-2.301077
1	-6.804438	-2.869533	-8.279285
8	-6.978239	-1.937209	-8.105658
1	-7.249028	-1.908856	-7.150486
1	-4.262097	-0.633501	-0.054046
8	-3.590461	-0.451796	0.626641
1	-2.734145	-0.363157	0.156549
1	-1.871256	-0.411909	-4.003798
8	-0.979462	-0.282389	-3.625766
1	-1.084440	-0.250266	-2.655958
1	-6.509745	-2.925755	-3.434575
8	-7.180286	-3.638785	-3.380614
1	-7.783653	-3.282858	-2.690138
1	-5.806727	0.516044	-6.702932
8	-5.057622	0.308762	-7.320192
1	-5.409569	-0.457030	-7.800375

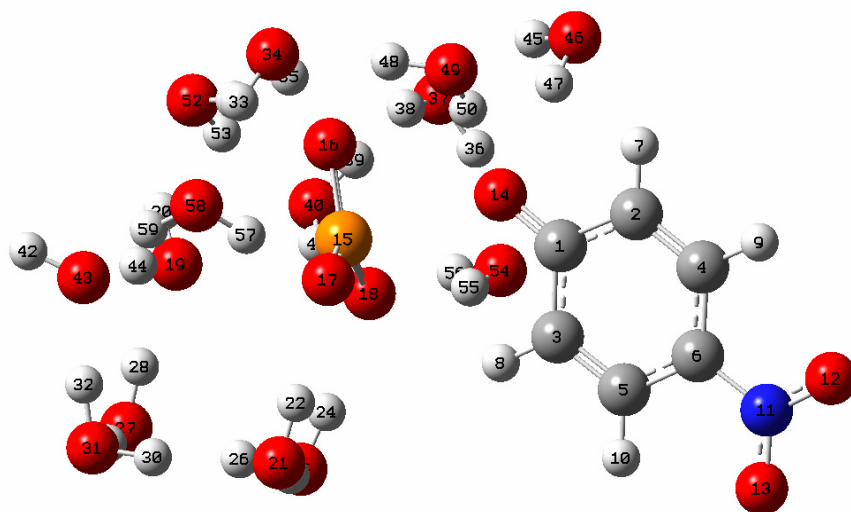
4. Figure and Cartesian coordinates of RC for n=13



6	0.004113	0.026584	0.038946
6	-0.011435	0.002120	1.457009
6	1.250656	0.049387	-0.635650
6	1.165638	0.001969	2.179197
6	2.427904	0.049426	0.093825
6	2.393150	0.026508	1.497477
1	-0.975784	-0.007087	1.954653
1	1.273908	0.047666	-1.718378
1	1.162763	-0.012554	3.262115
1	3.386308	0.062936	-0.410632
7	3.619878	0.027948	2.248182
8	3.560555	0.000798	3.491767
8	4.699809	0.056182	1.634775
8	-1.179811	0.025273	-0.567342
15	-1.468011	0.194968	-2.302981
8	-3.003194	0.084506	-2.281940
8	-0.691013	-0.945441	-2.926049
8	-0.972184	1.624948	-2.598384
8	-3.180996	-0.121005	-7.158897
1	-3.601671	0.191698	-6.337343
8	1.586421	-0.739873	-4.575325
1	0.814619	-0.926017	-3.996984
1	1.442949	0.200450	-4.813083
1	0.049537	1.874362	-4.314805

8	0.638023	1.930331	-5.093285
1	0.102622	1.670333	-5.880752
8	-0.604171	0.963409	-7.441675
1	-1.557692	0.719803	-7.352385
1	-0.164808	0.079172	-7.447829
1	0.822494	-1.536519	-6.314778
8	0.393591	-1.665714	-7.181943
1	-0.530997	-2.039009	-6.983936
1	-3.466967	-2.946078	-2.898561
8	-4.073109	-2.537132	-2.231543
1	-3.859005	-1.584946	-2.330391
1	-3.237353	2.393532	-0.307193
8	-4.054935	1.972132	-0.626087
1	-3.731491	1.221225	-1.195980
1	-3.727327	3.016120	-2.448691
8	-3.156850	3.387068	-3.146455
1	-2.376426	2.784662	-3.131592
1	-2.384279	-3.166921	-7.260279
8	-2.075961	-2.473441	-6.663766
1	-2.818268	-1.049438	-6.960252
1	-4.792479	0.822734	0.861983
8	-5.013501	0.145806	1.530424
1	-4.562522	-0.658006	1.199987
1	-3.661204	-2.370176	-0.446516
8	-3.366580	-2.012630	0.426344
1	-2.654057	-1.403371	0.171887
1	-3.967065	0.533430	-3.906145
8	-4.372736	1.025133	-4.650595
1	-4.050125	1.929302	-4.503488
8	-1.428808	3.622757	-0.679936
1	-1.063138	2.879211	-1.215251
1	-1.942213	4.097905	-1.352020
1	-1.534668	-2.526998	-3.697311
8	-2.097130	-3.228343	-4.080659
1	-2.147513	-2.986178	-5.058367

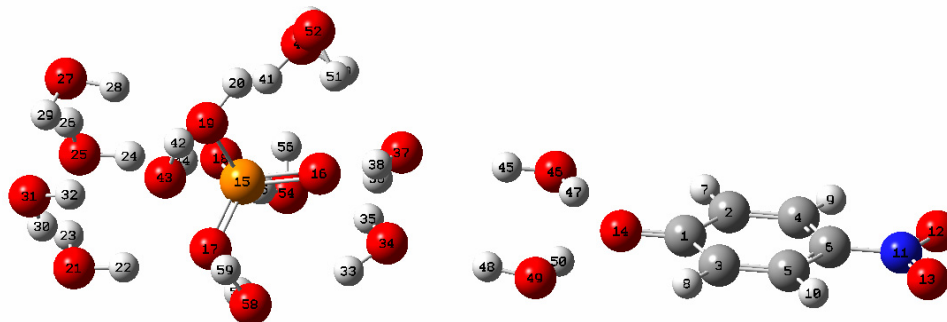
5. Figure and Cartesian coordinates of TS for n=13



6	-0.011590	-0.006023	-0.057032
6	-0.014580	-0.014978	1.387198
6	1.285022	-0.010918	-0.688692
6	1.150437	-0.000249	2.117846
6	2.447059	0.005059	0.049351
6	2.401452	0.017029	1.462421
1	-0.979599	-0.031898	1.885865
1	1.318731	-0.027736	-1.772877
1	1.135164	-0.000752	3.201868
1	3.415693	0.006956	-0.437306
7	3.599141	0.046961	2.220636
8	3.530639	0.053633	3.472886
8	4.700476	0.069063	1.626633
8	-1.110124	0.014756	-0.722114
15	-1.392140	-0.523056	-3.296798
8	-2.854553	-0.180195	-3.082384
8	-0.849117	-1.903859	-3.117765
8	-0.494667	0.603297	-3.783788
8	-2.016221	-1.106791	-5.895956
1	-2.877710	-0.669281	-5.997398
8	1.536279	-2.797191	-4.646650
1	0.765925	-2.639500	-4.067019
1	1.744746	-1.900272	-4.982931
1	0.973956	0.196989	-5.038136
8	1.655863	-0.100026	-5.672205
1	1.150584	-0.357487	-6.478471
8	0.043287	-1.061112	-7.779500

1	-0.762582	-0.936782	-7.225168
1	0.196865	-2.032683	-7.693793
1	0.725606	-3.613418	-6.264394
8	0.238449	-3.791306	-7.094427
1	-0.727642	-3.829979	-6.807614
1	-3.896506	-3.235628	-2.762405
8	-4.410134	-2.565828	-2.249868
1	-4.020112	-1.719411	-2.539133
1	-2.033739	2.793456	-2.214216
8	-2.973093	2.575574	-2.376627
1	-2.986425	1.596661	-2.494637
1	-2.602569	2.788611	-4.249017
8	-2.184756	2.657276	-5.126261
1	-1.579806	1.905828	-4.961190
1	-2.987425	-3.855538	-6.848869
8	-2.281340	-3.634675	-6.229658
1	-2.181860	-2.126810	-6.014215
1	-3.252344	2.359963	-0.347464
8	-3.009599	1.988854	0.517311
1	-2.440477	1.236457	0.259838
1	-3.606869	-2.381059	-0.474615
8	-3.130183	-2.122371	0.340142
1	-2.489310	-1.457913	0.030431
1	-4.091918	0.322694	-4.601238
8	-4.350897	0.692379	-5.467466
1	-3.730529	1.437884	-5.573681
8	-0.141187	3.200452	-2.792502
1	-0.045449	2.230959	-2.914090
1	-0.386995	3.492977	-3.682250
1	-1.920926	-3.614860	-3.314029
8	-2.618422	-4.210322	-3.642599
1	-2.567016	-4.073514	-4.637701

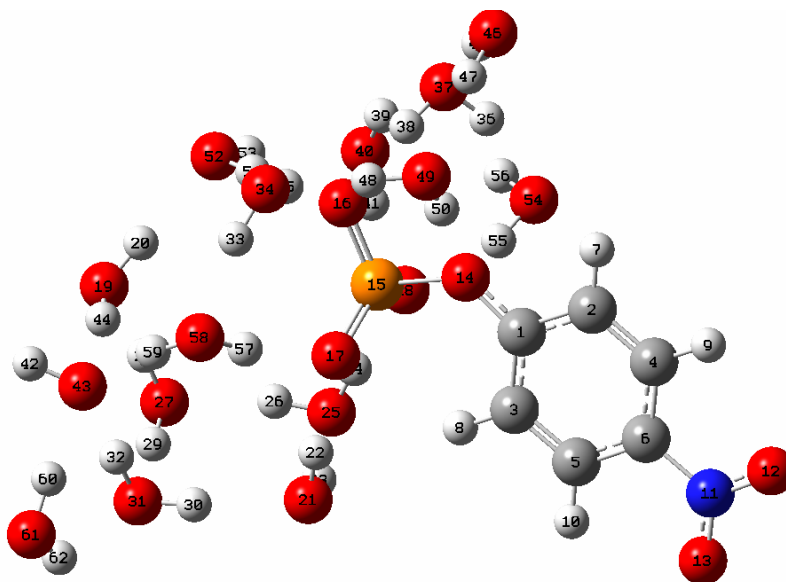
6. Figure and Cartesian coordinates of PC for n=13



6	0.016960	-0.003453	0.004363
6	0.014603	-0.066484	1.453624
6	1.325014	0.074511	-0.617673
6	1.176560	-0.050317	2.184124
6	2.481369	0.090630	0.121532
6	2.433895	0.029277	1.536270
1	-0.954043	-0.128207	1.942400
1	1.351839	0.119644	-1.703079
1	1.162499	-0.097700	3.267678
1	3.454163	0.150264	-0.354519
7	3.626049	0.047748	2.291906
8	3.562053	-0.008026	3.544929
8	4.730295	0.119872	1.698233
8	-1.055394	-0.015382	-0.675898
15	-7.417676	-0.504493	-4.654760
8	-6.112981	-0.801594	-3.884114
8	-7.338909	0.565151	-5.745300
8	-8.646312	-0.374552	-3.710702
8	-7.707876	-1.933365	-5.533838
1	-7.420141	-2.695927	-4.976716
8	-9.631370	1.189117	-7.130068
1	-8.766928	1.075948	-6.655715
1	-10.279031	0.877109	-6.463618
1	-10.296631	-0.202071	-4.496891
8	-11.109859	-0.183356	-5.057953
1	-11.062865	-1.022897	-5.555561
8	-10.348255	-2.494899	-6.688050
1	-9.494369	-2.410277	-6.219818
1	-10.181577	-2.029618	-7.536712
1	-9.554461	-0.091883	-8.362264
8	-9.496736	-0.914906	-8.914884
1	-8.563221	-1.187113	-8.850640

1	-3.849653	0.022277	-5.897747
8	-3.542519	-0.397525	-5.073144
1	-4.376944	-0.538517	-4.576140
1	-6.728783	0.315876	-1.080762
8	-6.106983	-0.428740	-1.169028
1	-5.983822	-0.508729	-2.150837
1	-7.522967	-1.796711	-1.273970
8	-8.296954	-2.269397	-1.646471
1	-8.562410	-1.675308	-2.389277
1	-6.404467	-2.701597	-8.262792
8	-6.787876	-1.826013	-8.135215
1	-7.067674	-1.813179	-7.184092
1	-4.378262	-0.243551	-0.006874
8	-3.661568	-0.149481	0.645871
1	-2.823993	-0.105609	0.139952
1	-1.808954	-0.076973	-4.068095
8	-0.932313	0.041702	-3.654916
1	-1.069891	0.020233	-2.687891
1	-6.063870	-2.784034	-3.578711
8	-6.621920	-3.590523	-3.575033
1	-7.248299	-3.395288	-2.845173
8	-8.688272	1.076357	-1.388580
1	-8.665064	0.712930	-2.312432
1	-9.110865	0.362909	-0.892989
1	-5.878523	0.768898	-6.752273
8	-5.127947	0.630806	-7.382920
1	-5.421945	-0.161121	-7.860135

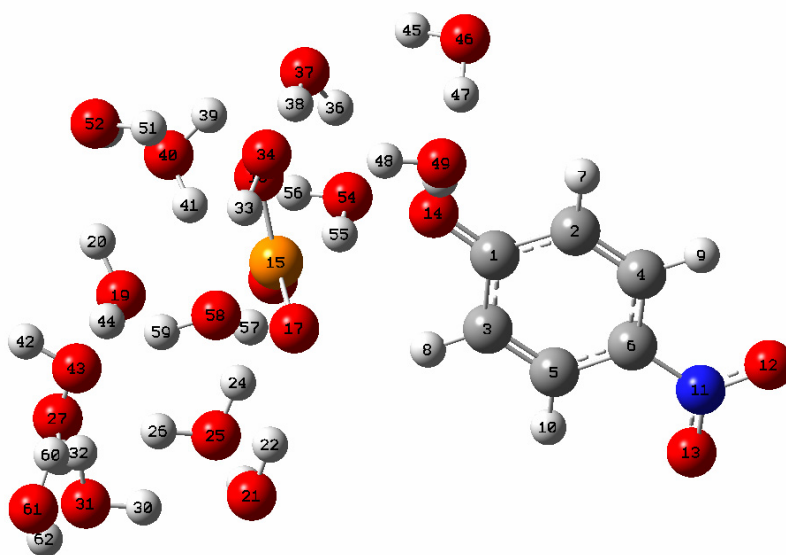
7. Figure and Cartesian coordinates of RC for n=14



6	-0.033500	0.000671	0.036983
6	-0.007522	0.047121	1.453197
6	1.190256	-0.037443	-0.674936
6	1.191268	0.058110	2.139462
6	2.389814	-0.025878	0.018168
6	2.396633	0.022866	1.420846
1	-0.956105	0.083579	1.978970
1	1.180479	-0.094536	-1.756266
1	1.221367	0.097842	3.221272
1	3.332345	-0.058776	-0.514434
7	3.647109	0.036737	2.134482
8	3.624478	0.073279	3.378290
8	4.706809	0.012025	1.488028
8	-1.237902	-0.006663	-0.533369
15	-1.582460	0.131353	-2.251881
8	-3.118272	0.044093	-2.177665
8	-0.851581	-1.030389	-2.891865
8	-1.078386	1.547989	-2.598494
8	-3.145251	-0.398773	-6.850792
1	-3.592025	-0.058421	-6.050711
8	1.380892	-0.898940	-4.584182
1	0.618896	-1.064123	-3.985111
1	1.286967	0.057735	-4.779483
1	-0.028383	1.775181	-4.250676
8	0.568842	1.815526	-5.025167
1	0.033615	1.569238	-5.814596

8	-0.690632	0.836146	-7.379071
1	-1.619937	0.550359	-7.209606
1	-0.223531	-0.028891	-7.417864
1	0.701440	-1.650309	-6.240540
8	0.304674	-1.823559	-7.120741
1	-0.603934	-2.204561	-6.943472
1	-3.670473	-3.007321	-2.647945
8	-4.243525	-2.548824	-1.987687
1	-4.003951	-1.609001	-2.132756
1	-3.274135	2.466444	-0.320834
8	-4.104794	2.037565	-0.595097
1	-3.805884	1.251746	-1.127822
1	-3.811099	2.980741	-2.472276
8	-3.261962	3.292175	-3.214997
1	-2.479493	2.694736	-3.170442
1	-2.791862	-3.219481	-7.181912
8	-2.091914	-2.978174	-6.561277
1	-2.773369	-1.294735	-6.627132
1	-4.816130	0.973443	0.970423
8	-5.029274	0.332112	1.675160
1	-4.600340	-0.493953	1.371781
1	-3.781160	-2.307493	-0.210381
8	-3.453473	-1.908375	0.630774
1	-2.733402	-1.333714	0.322791
1	-4.056601	0.416086	-3.762173
8	-4.443136	0.840737	-4.559191
1	-4.154244	1.763553	-4.462440
8	-1.479933	3.606521	-0.753480
1	-1.141135	2.840615	-1.276572
1	-1.967982	4.097043	-1.432301
1	-1.747047	-2.627294	-3.558771
8	-2.316732	-3.362248	-3.859781
1	-2.320892	-3.282252	-4.855057
1	-1.000627	-4.300970	-7.138866
8	-0.272270	-4.802999	-7.599716
1	0.387067	-4.096008	-7.677216

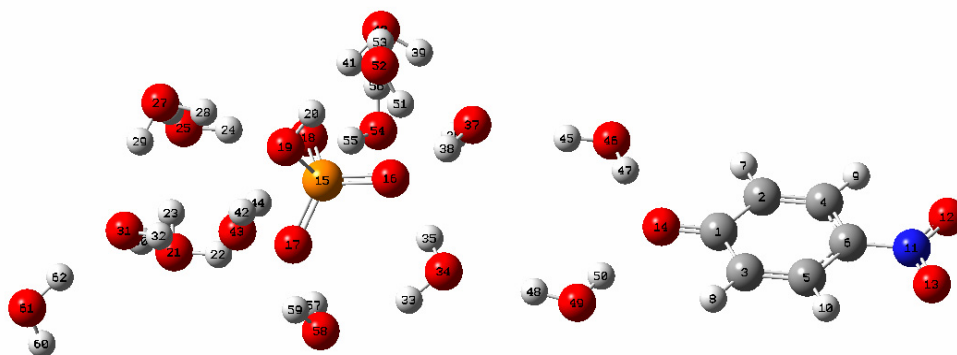
8. Figure and Cartesian coordinates of TS for n=14



6	0.017754	0.106010	0.118948
6	0.015332	0.168516	1.562237
6	1.315515	0.087022	-0.511434
6	1.180270	0.232921	2.290339
6	2.477520	0.152920	0.223708
6	2.431247	0.233049	1.634401
1	-0.949518	0.164668	2.061507
1	1.349333	0.017966	-1.593840
1	1.165245	0.285290	3.373116
1	3.446393	0.143015	-0.262457
7	3.628704	0.313907	2.389403
8	3.560144	0.381502	3.639570
8	4.729381	0.319125	1.793846
8	-1.077761	0.078876	-0.549025
15	-1.359438	-0.622128	-3.193417
8	-2.816573	-0.265691	-2.975099
8	-0.809799	-1.986693	-2.929004
8	-0.464096	0.485931	-3.722386
8	-1.957827	-1.367200	-5.670226
1	-2.825958	-0.942559	-5.798137
8	1.530629	-2.894177	-4.508759
1	0.782219	-2.728055	-3.902919
1	1.762660	-1.997241	-4.830515
1	1.033237	0.096098	-4.895289
8	1.716677	-0.208663	-5.524990
1	1.213112	-0.454490	-6.333823

8	0.072620	-1.178708	-7.620193
1	-0.719183	-1.094697	-7.042760
1	0.260383	-2.142959	-7.554726
1	0.758949	-3.691979	-6.060765
8	0.280000	-3.906321	-6.891353
1	-0.687182	-3.916219	-6.625836
1	-3.938943	-3.224925	-2.457821
8	-4.420299	-2.524980	-1.958692
1	-4.009337	-1.702763	-2.285297
1	-2.030818	2.764828	-2.246252
8	-2.966427	2.528912	-2.406605
1	-2.969721	1.545745	-2.463221
1	-2.600557	2.642368	-4.283543
8	-2.184785	2.457731	-5.152575
1	-1.554106	1.742094	-4.935745
1	-3.009500	-3.951112	-6.676924
8	-2.277846	-3.980291	-6.046625
1	-2.104274	-2.370718	-5.749660
1	-3.239580	2.421693	-0.350282
8	-2.986453	2.105969	0.532598
1	-2.407955	1.345794	0.320072
1	-3.569620	-2.276561	-0.191362
8	-3.076105	-1.987056	0.601384
1	-2.436152	-1.339229	0.254897
1	-4.047582	0.130049	-4.521656
8	-4.250810	0.402873	-5.437170
1	-3.664366	1.173655	-5.563646
8	-0.138503	3.132214	-2.808026
1	-0.031379	2.160333	-2.882547
1	-0.346223	3.388142	-3.718036
1	-1.955760	-3.633325	-3.089947
8	-2.676518	-4.233349	-3.355064
1	-2.634871	-4.215416	-4.349145
1	-1.796198	-5.756092	-6.487861
8	-1.306537	-6.496685	-6.923469
1	-0.459484	-6.055986	-7.097521

9. Figure and Cartesian coordinates of PC for n=14



6	0.022845	0.035992	0.142378
6	-0.017754	0.162560	1.586604
6	1.345477	-0.086890	-0.439571
6	1.124142	0.167775	2.348433
6	2.481574	-0.081347	0.330757
6	2.397097	0.046788	1.739135
1	-0.998335	0.253315	2.046173
1	1.400561	-0.185188	-1.520379
1	1.081665	0.263359	3.428043
1	3.465783	-0.174556	-0.115470
7	3.568690	0.052739	2.527076
8	3.471605	0.168176	3.773684
8	4.687289	-0.057387	1.967605
8	-1.030861	0.033390	-0.567390
15	-7.278193	-0.478924	-4.688610
8	-6.006923	-0.746770	-3.858324
8	-7.133781	0.484009	-5.869845
8	-8.528291	-0.222484	-3.801118
8	-7.596635	-1.970298	-5.448030
1	-7.350187	-2.690576	-4.817107
8	-9.326606	1.026660	-7.369932
1	-8.484016	0.936671	-6.845238
1	-10.015263	0.820888	-6.701275
1	-10.135935	-0.039126	-4.648415
8	-10.927652	-0.035002	-5.240879
1	-10.916084	-0.925572	-5.641031
8	-10.209906	-2.524992	-6.620967
1	-9.360386	-2.420948	-6.146657
1	-10.022297	-2.151606	-7.504659
1	-9.255210	-0.274898	-8.427945
8	-9.195279	-1.114706	-8.976142

1	-8.290521	-1.452093	-8.816922
1	-3.650866	-0.214339	-5.866613
8	-3.392056	-0.583240	-5.002508
1	-4.245690	-0.636044	-4.521697
1	-6.670133	0.610614	-1.169035
8	-6.078310	-0.163196	-1.176580
1	-5.923150	-0.323036	-2.143190
1	-7.537492	-1.482098	-1.217660
8	-8.312138	-1.962451	-1.579573
1	-8.539973	-1.418287	-2.370498
1	-6.362304	-3.009645	-8.125009
8	-6.655297	-2.096406	-8.024477
1	-6.922416	-2.017344	-7.071592
1	-4.368263	0.061528	0.017325
8	-3.665527	0.190143	0.678845
1	-2.813243	0.135927	0.198454
1	-1.671862	-0.281864	-3.961683
8	-0.803950	-0.179892	-3.526957
1	-0.974440	-0.110227	-2.567210
1	-6.034469	-2.722257	-3.378939
8	-6.640680	-3.490793	-3.337072
1	-7.276310	-3.207200	-2.644239
8	-8.570420	1.429866	-1.616378
1	-8.537744	0.978347	-2.499926
1	-9.061034	0.799564	-1.073330
1	-5.629802	0.548281	-6.843166
8	-4.869974	0.330933	-7.438101
1	-5.179823	-0.486656	-7.857677
1	-9.320304	0.390170	-11.620967
8	-9.694390	-0.498899	-11.625618
1	-9.557570	-0.802127	-10.693349