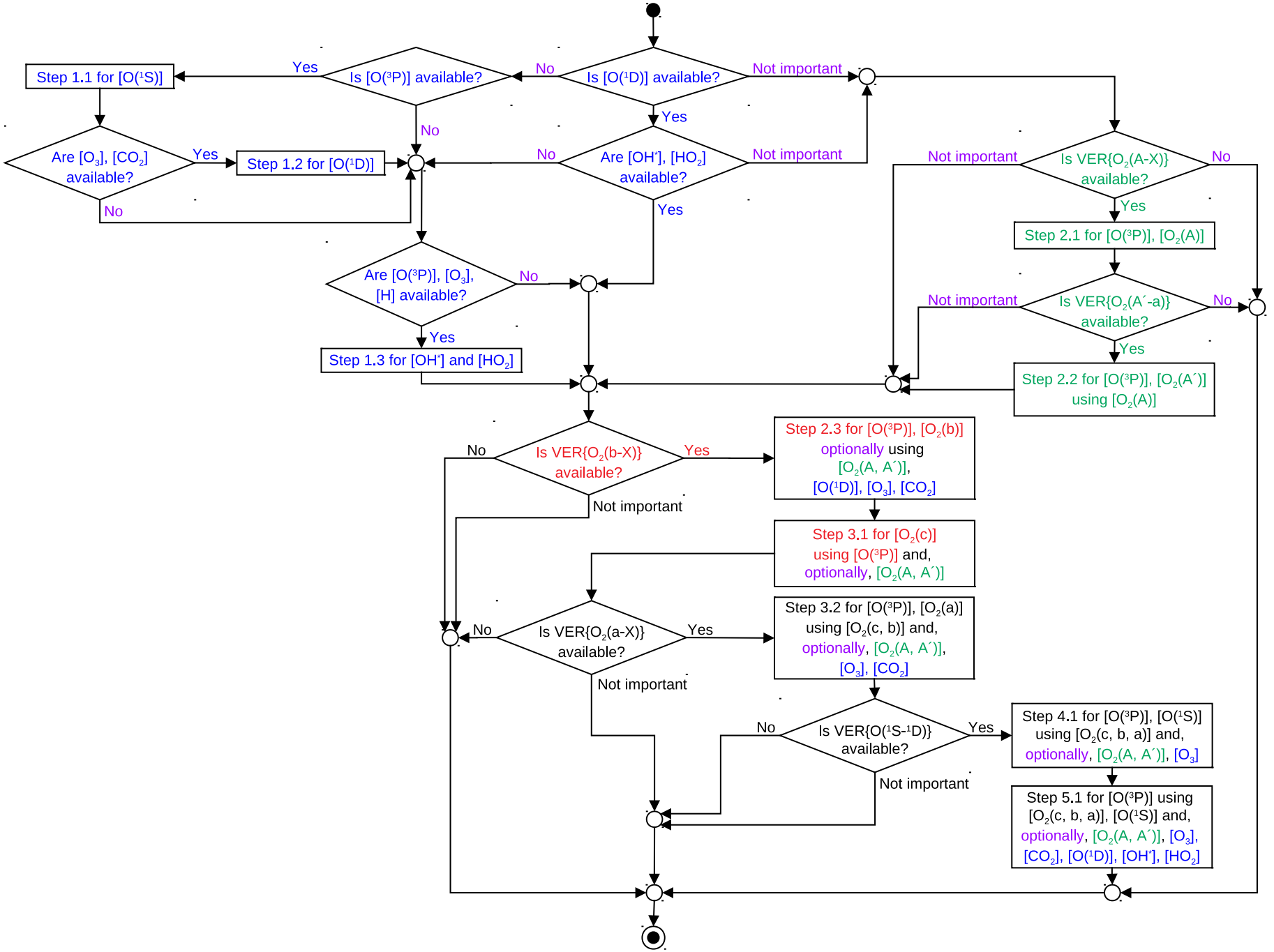
Is [O(3P)] available?
Yes
No
Step 1.1 for [O(1S)]
Are [O3], [CO2] available?
Yes
No
Step 1.2 for [O(1D)]
Is [O(1D)] available?
No
Yes
Not important
Are [OH•], [HO2] available?
No
Yes
Not important
Are [O(3P)], [O3], [H] available?
No
Yes
Step 1.3 for [OH•] and [HO2]
Is VER{O2(A-X)} available?
Not important
No
Yes
Step 2.1 for [O(3P)], [O2(A)]
Is VER{O2(A´-a)} available?
Not important
No
Yes
Step 2.2 for [O(3P)], [O2(A´)] using [O2(A)]
Is VER{O2(b-X)} available?
No
Yes
Not important
Step 2.3 for [O(3P)], [O2(b)] optionally using [O2(A, A´)], [O(1D)], [O3], [CO2]
Step 3.1 for [O2(c)] using [O(3P)] and, optionally, [O2(A, A´)]
Is VER{O2(a-X)} available?
No
Yes
Not important
Step 3.2 for [O(3P)], [O2(a)] using [O2(c, b)] and, optionally, [O2(A, A´)], [O3], [CO2]
Is VER{O(1S-1D)} available?
No
Yes
Not important
Step 4.1 for [O(3P)], [O(1S)] using [O2(c, b, a)] and, optionally, [O2(A, A´)], [O3]
Step 5.1 for [O(3P)] using [O2(c, b, a)], [O(1S)] and, optionally, [O2(A, A´)], [O3], [CO2], [O(1D)], [OH•], [HO2]