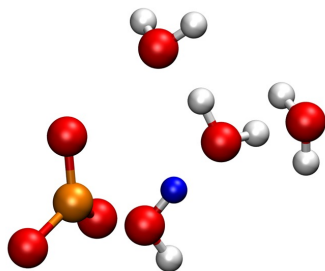
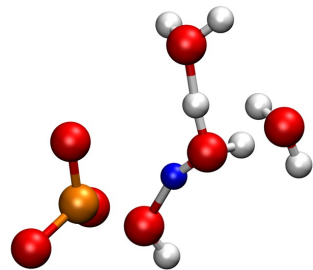


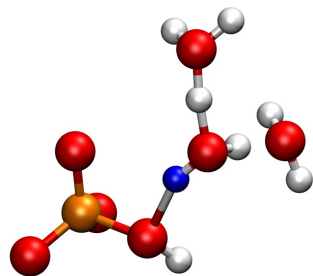
PT from H_2O



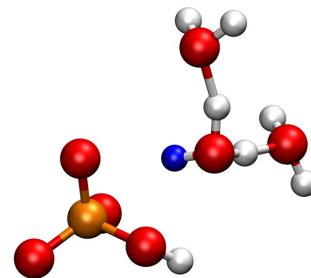
Water approaches



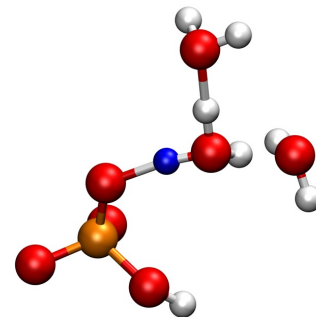
OH^- is formed



Zundel cation (H_5O_2^+)

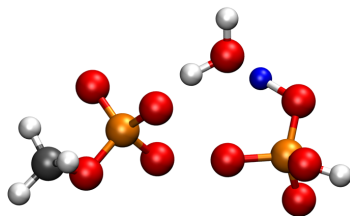


Stabilised H_3O^+

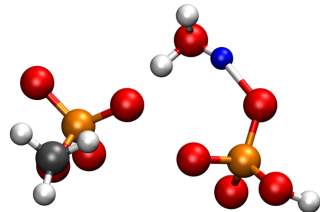


Proton transfer

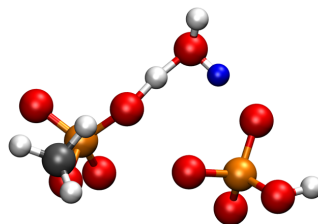
PT from $\text{H}_2\text{P}_2\text{O}_4^-$



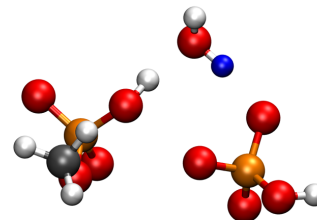
Bridging water occurs



H_3O^+ is formed



H_3O^+ approaches Ig



Proton is transferred