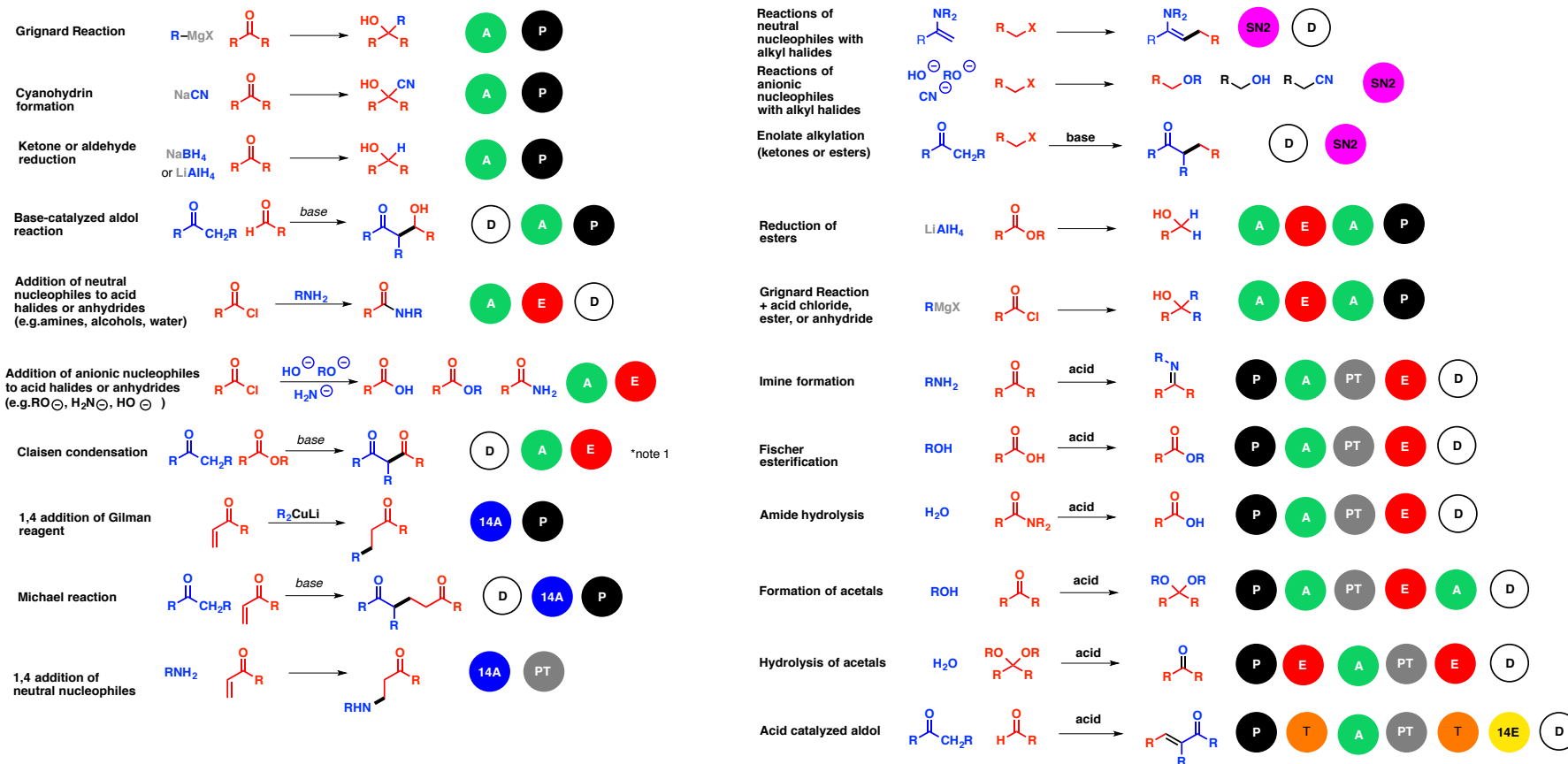


## Identifying the Patterns in Carbonyl Reaction Mechanisms

from "Master Organic Chemistry"  
<https://www.masterorganicchemistry.com>  
 james@masterorganicchemistry.com



\*note 1 - There is actually a fourth step; base removes a proton from the acidic alpha-carbon, rendering the reaction irreversible. Acidic workup gives the final product.

### The Nine Mechanistic Components (with examples)

