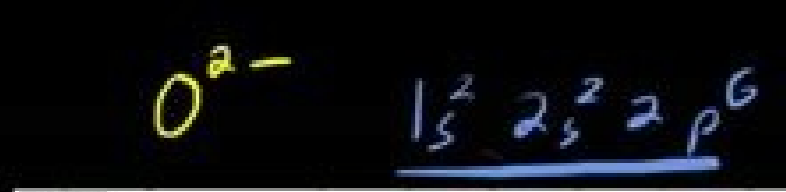
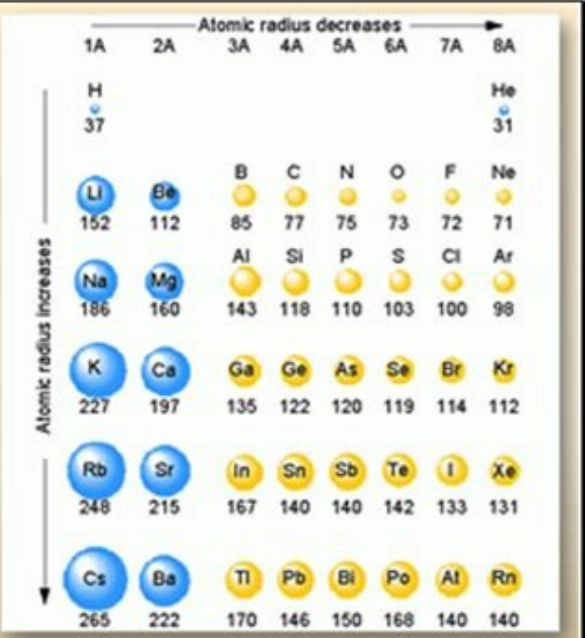


I'm not robot!

Table of Atomic Radii

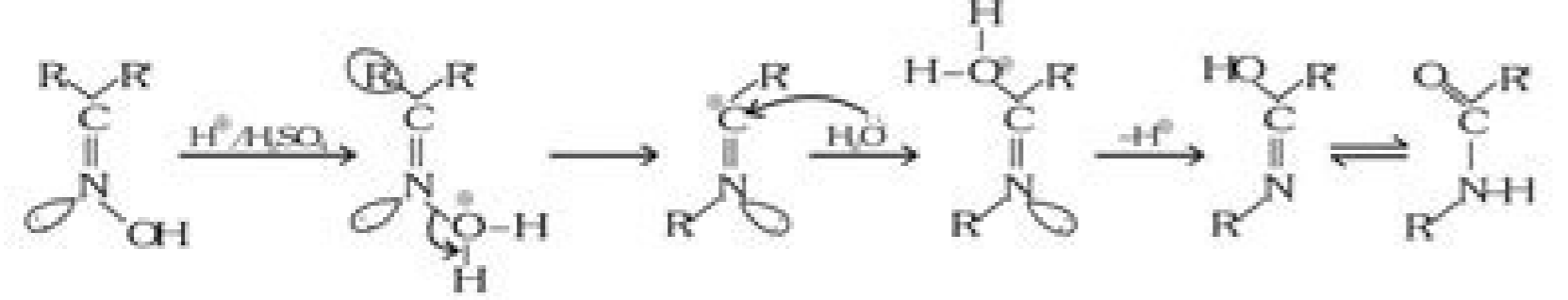


1																	2
1																	2
3																	10
11																	18
19																	36
37																	54
55																	86
87																	118
119																	150
121																	152

(IV) Rearrangement reaction :

It may be defined as the reaction involving reshuffling of the sequence of atom to form a new structure :

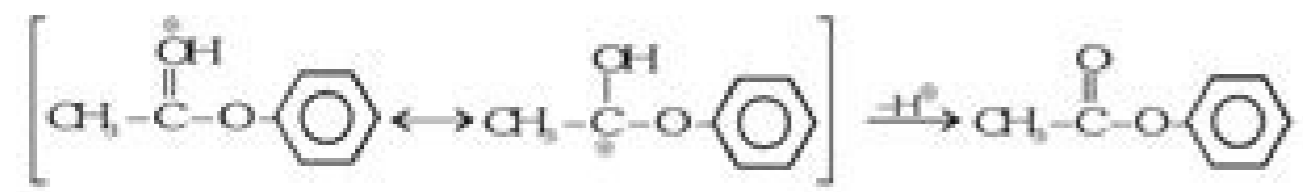
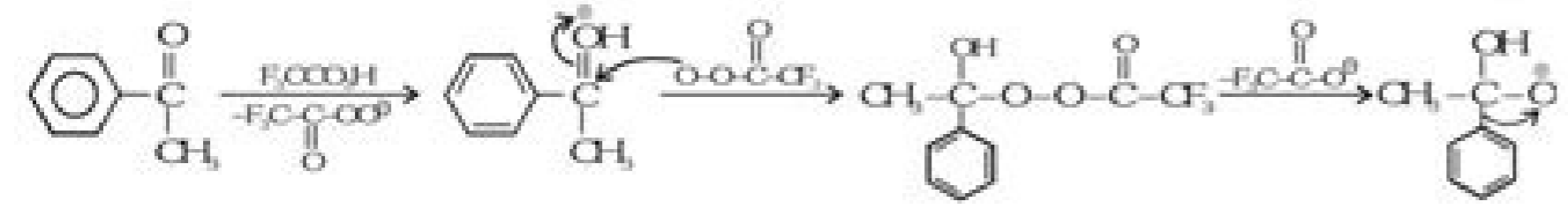
◆ Beckmann rearrangement :



In this reaction ketoxime reacts with H_2SO_4 (conc.) to give a product by alkyl migration.

◆ Bayer-villiger rearrangement :

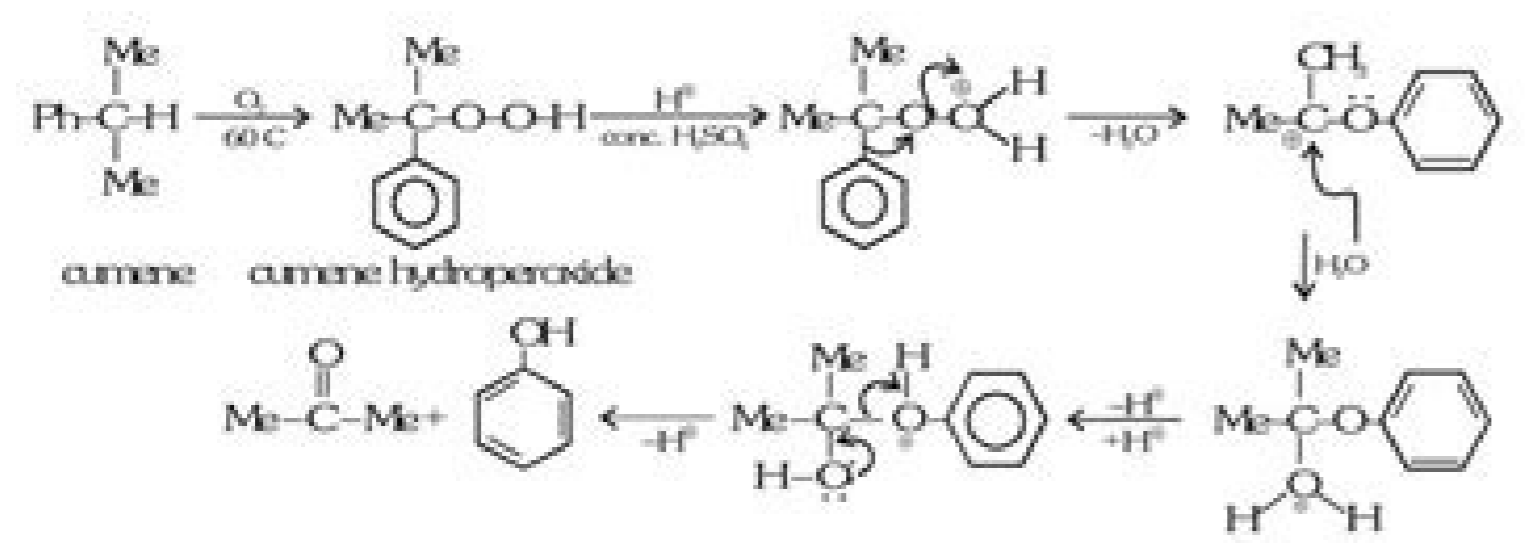
The reaction involve the oxidation of ketone to ester by the treatment with peracids such as peracetic acid, perbenzoic acid, pertrifluoro acetic acid, etc. In this case best migratory group migrate to electron deficient oxygen.



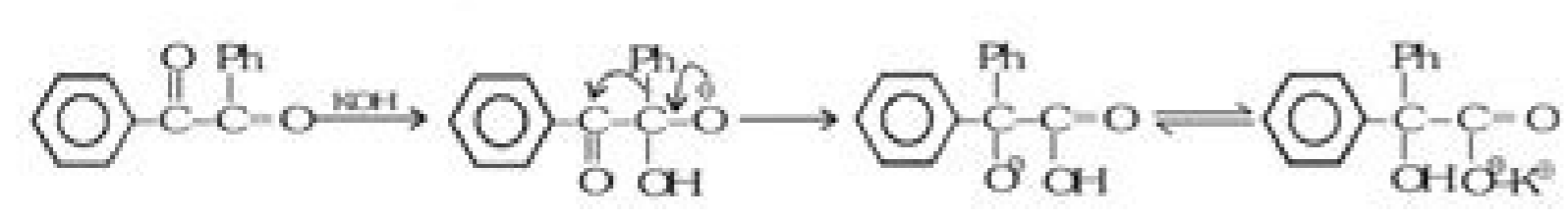
Migratory order : $3 > 2 > 1 > CH_3$



◆ Acid-catalyzed decomposition of cumene hydroxide :



◆ Benzylic acid rearrangement :



Properties of Ionic Compounds

- Form crystals
- Hard and brittle
- High melting and boiling points
- Don't conduct electricity as solids, but do conduct when molten or dissolved in water
- Often soluble in water and insoluble in nonpolar solvents
- High enthalpies of fusion and vaporization
- Solids are good insulators

