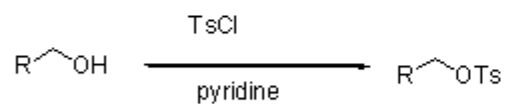


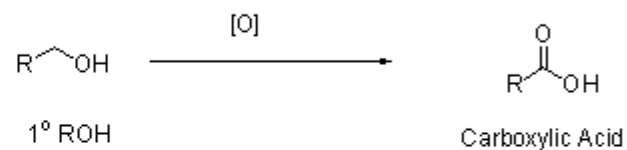
Dr. Davies  
 Organic I Chemistry  
 Alcohol derivatization and oxidation

Electrophilic activation of alcohols

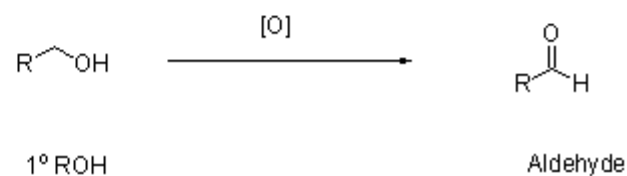
R-OH	R-Cl	R-Br	R-I
1°	SOCl <sub>2</sub>	PBr <sub>3</sub>	P, I <sub>2</sub>
2°	SOCl <sub>2</sub>	PBr <sub>3</sub>	P, I <sub>2</sub>
3°	HCl	HBr	HI



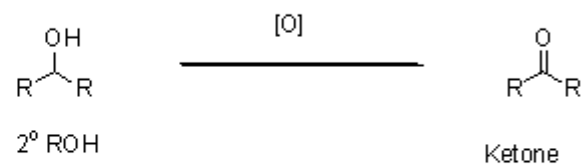
### Alcohol Oxidation



**Harsh [O]:** KMnO<sub>4</sub>, HNO<sub>3</sub>, **Chromic Acid** (CrO<sub>3</sub>, H<sub>2</sub>O or Na<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>/H<sub>2</sub>SO<sub>4</sub>)



**Mild [O]:** PCC, Jones, Collins, **Swern**, CuO



**Any of the above**