

Oxidation of Alcohols with Potassium Permanganate

Note: any colour change indicates a reaction. The faster and more apparent the colour change the faster the reaction

Substance	Observation with KMnO_4	Observation with KMnO_4 plus NaOH catalyst
methyl alcohol		
ethyl alcohol		
propyl alcohol		
isopropyl alcohol		
butyl alcohol		
isobutyl alcohol		
secbutyl alcohol		
t-butyl alcohol		

Reaction of Alcohols with Sodium Metal

Pay close attention to the speed of each reaction and rank each alcohol from 1 to 8 based on the speed of reaction (1 being fastest)

Substance	Observations	Rank
methyl alcohol		
ethyl alcohol		
propyl alcohol		
isopropyl alcohol		
butyl alcohol		
isobutyl alcohol		
secbutyl alcohol		
t-butyl alcohol		