Addition Of Water And Alcohols To Aldehydes And Ketones

from chapter(s) _____ in the recommended text

A. Introduction

B. Relative Reactivities Of Aldehydes And Ketones

more



C. Proton Transfer Steps

common





D. Addition Of Water

equilibrium strongly



Draw the key intermediates for hydration of acetone using curly arrows to show electron flow.

0 +H+	‡OH	н-он	OH Q+H2
	protonated carbonyl	_	protonated hydrate
	-H+	он ————————————————————————————————————	
		hydrate	

exactly 2 %. 120° to 109° disfavored does

E. Additions Of Alcohols



hemiketal called a *hemiacetal*.

hemiacetal acetal.



















to acid is c.