

6. The reaction of acetic (ethanoic) acid with propanol is slow at room temperature. If it is assumed that the reaction proceeds by a process involving the acid accepting a proton in the first step, then the rate at which equilibrium is reached could be increased by
- (a) adding a strong acid to increase the proton concentration of the reactants.
 - (b) lowering the temperature to reduce the collision frequency of reactants.
 - (c) adding a base to lower the number of protons present in the reaction vessel.
 - (d) adding water to the system to alter the proton concentration.