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A B rate =  $-\frac{D[A]}{Dt}$  rate =  $\frac{D[B]}{Dt}$   
 $\frac{D[A]}{Dt}$  = change in concentration of A over time period Dt  
 $\frac{D[B]}{Dt}$  = change in concentration of B over time period Dt  
Because [A] decreases with time,

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D[A] is negative. Chung (Peter) Chieh  
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17.1: Rates of reactions and rate laws -

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