







Lecture 27 CH	1102 A1	(MWF 9:05 am) Spring 2019	Copyright © 2019 Dan Dill dan@bu.edu				
[TP] Th	[TP] The value of <i>E</i> when $Q = 1$ at 25 °C is						
	$E(Q = 1) = E^{\circ} = +(0.06/n_{\rm e}) \mathrm{V} \log(K)$						
For $n_e = 3$, if K is different by a factor of ten (say, 17 instead of 1.7),							
the magnitude of standard voltage will change by							
0%	1.	0.18 V					
0%	2.	0.06 V					
0%	3.	0.02 V					
0%	4.	Some other amount					
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[TP] For A + B \rightleftharpoons 2 C + D at 25 °C $E^{\circ} = (0.06/n_e) \operatorname{V} \log(K)$					
What is th	What is the value of the equilibrium constant for				
$2 \text{ A} + 2 \text{ B} \rightleftharpoons 4 \text{ C} + 2 \text{ D}$?					
17% 1 .	Κ				
17% 2.	2 <i>K</i>				
17% 3.	K^2				
17% 4.	K/2				
17% 5.	\sqrt{K}				
17% <u>6</u> .	None of the above				
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[TP] For A	$A + B \rightleftharpoons 2 C + D \text{ at } 25 \degree C$ $E^\circ = (0.06/n_e) \operatorname{V} \log(K)$	
What is th	e value of n_{e} for	
:	$2 \text{ A} + 2 \text{ B} \rightleftharpoons 4 \text{ C} + 2 \text{ D}?$	
17% 1.	n _e	
17% 2.	2 n _e	
17% 3.	$n_{\rm e}^{2}$	
17% 4.	<i>n</i> _e /2	
17% 5.	$\sqrt{n_{ m e}}$	
17% 6.	None of the above	
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[<mark>Quiz</mark>] For	$A + B \rightleftharpoons 2C + D at 25 °C$				
	$E^{\circ} = (0.06/n_{\rm e}) \mathrm{V} \log(K)$				
What is the value of E° for					
2	$A + 2 B \rightleftharpoons 4 C + 2 D?$				
170/ 1	F 0				
1/% 1.	E				
17% 2 .	2 <i>E</i> °				
17% 3.	$(E^{\circ})^{2}$				
17% 4.	<i>E°</i> /2				
17% 5.	$\sqrt{E^{\circ}}$				
17% <u>6</u> .	None of the above				
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