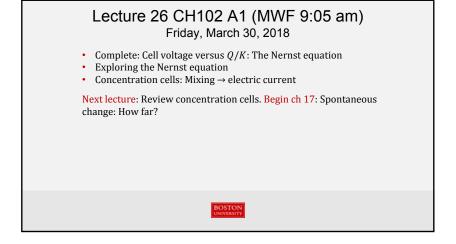
```
Lecture 26 CH102 A1 (MWF 9:05 am) Spring 2018

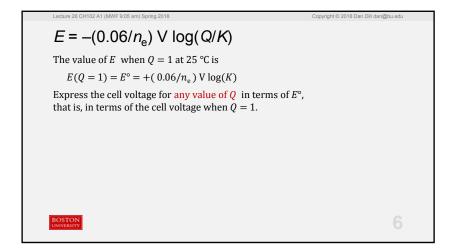
[TP] At 25 °C

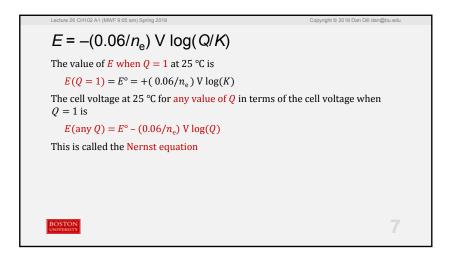
E = E^{\circ} - (0.06/n_{\rm e}) \text{ V log}(Q)

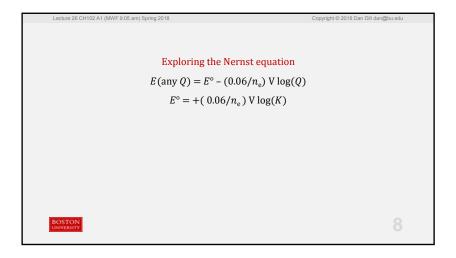
What is the value of E when everything is in standard states?

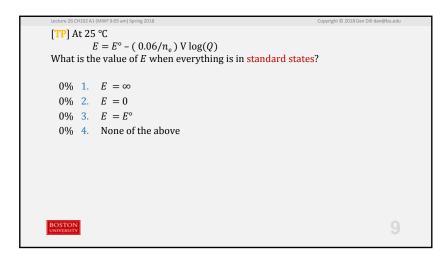
25% 1. E = \infty
25% 2. E = 0
25% 3. E = E^{\circ}
25% 4. None of the above
```











```
TP] At 25 °C E = E^{\circ} - (0.06/n_{\rm e}) \text{ V log}(Q) What is the value of E when everything is at equilibrium? 0\% \quad 1. \quad E = \infty 0\% \quad 2. \quad E = 0 0\% \quad 3. \quad E = E^{\circ} 0\% \quad 4. \quad \text{None of the above}
```

```
Lecture 26 CH102 At (MWP 9.05 am) Spring 2018 Copyright © 2018 Oan Dill dan@blu.edu  \begin{bmatrix} \mathbf{Quiz} \end{bmatrix} \mathbf{At} \ 25 \ ^{\circ}\mathbf{C} \\ E = E^{\circ} - (\ 0.06/n_{\mathrm{e}}) \ \mathbf{V} \ \log(Q)  What is the value of E when there are only products present?  25\% \quad 1. \quad E = \infty \\ 25\% \quad 2. \quad E = 0 \\ 25\% \quad 3. \quad E = E^{\circ} \\ 25\% \quad 4. \quad \text{None of the above}
```

```
Lecture 26 CH102 A1 (MWF 9-05 am) Spring 2018

[TP] For A + B \rightleftarrows 2 C + D at 25 °C
E^{\circ} = (0.06/n_{e}) \ V \log(K)
What is the value of the equilibrium constant for 2 \ A + 2 \ B \rightleftarrows 4 \ C + 2 \ D?

17% 1. K
17% 2. 2 \ K
17% 3. K^{2}
17% 4. K/2
17% 5. \sqrt{K}
17% 6. None of the above
```

```
Lecture 26 CH102 A1 (MWF 9.05 am) Spring 2018

[TP] For A + B \rightleftharpoons 2 C + D at 25 °C
E^{\circ} = (0.06/n_e) \ V \log(K)
What is the value of n_e for 2 \ A + 2 \ B \rightleftharpoons 4 \ C + 2 \ D?
17\% \quad 1. \quad n_e
17\% \quad 2. \quad 2 \ n_e
17\% \quad 3. \quad n_e^2
17\% \quad 4. \quad n_e/2
17\% \quad 5. \quad \sqrt{n_e}
17\% \quad 6. \quad \text{None of the above}
```

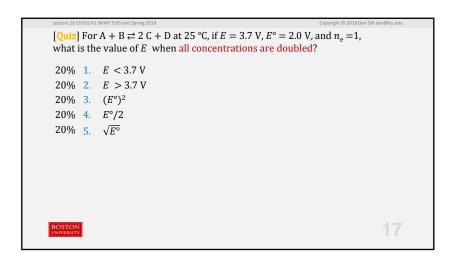
```
Lacture 26 CH JO2 A1 (MWF 9-05 am) Spring 2018

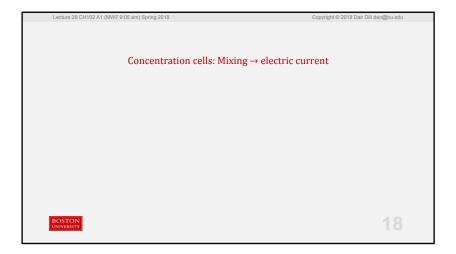
[Quiz] For A + B \rightleftarrows 2 C + D at 25 °C
E° = (0.06/n_e) V log(K)
What is the value of E° for 2 A + 2 B \rightleftarrows 4 C + 2 D?
17% 1. E°
17% 2. 2 E°
17% 3. (E°)^2
17% 4. E°/2
17% 5. \sqrt{E°}
17% 6. None of the above
```

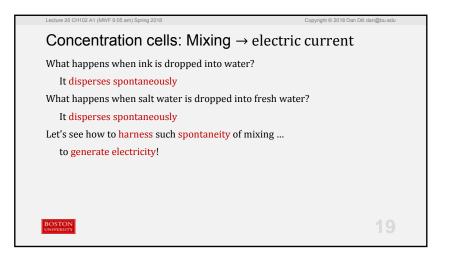
```
Lecture 26 CH102A1 (MWF 9:05 am) Spring 2018

[TP] For A + B \rightleftharpoons 2 C + D at 25 °C
E^{\circ} = (0.06/n_{e}) \ V \log(K)
What is the value of E^{\circ} when all concentrations are doubled?

17% 1. E^{\circ}
17% 2. 2 E^{\circ}
17% 3. (E^{\circ})^{2}
17% 4. E^{\circ}/2
17% 5. \sqrt{E^{\circ}}
17% 6. None of the above
```







```
TP) What do you expect to be true about the process Cl^-(0.0001 \text{ M}) \rightarrow Cl^-(1 \text{ M})?

25% 1. E > 0
25% 2. E = 0
25% 3. E < 0
25% 4. More information needed
```

