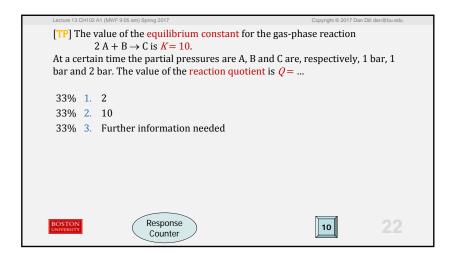
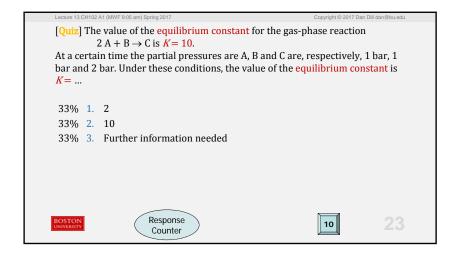


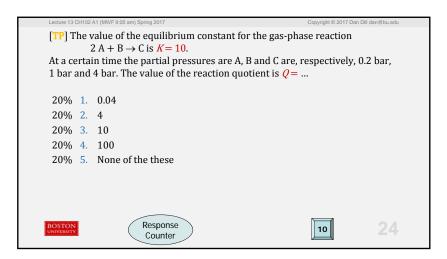
Lecture 13 CH102 A1 (MWF 9.05 am) Spring 2017

[Quiz] For the reaction  $2 A + B \rightarrow 2 C$  at a certain time the value of its reaction quotient is Q = 7. This means the value of the equilibrium constant for the reaction is ...

25% 1. < 7
25% 2. 7
25% 3. > 7
25% 4. Further information needed





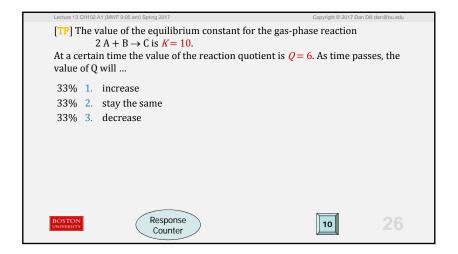


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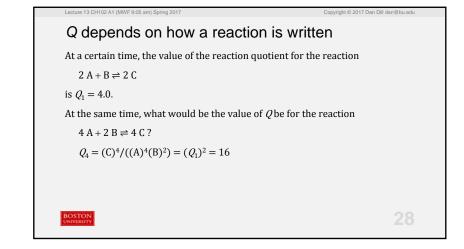
[TP] The value of the equilibrium constant for the gas-phase reaction  $2 A + B \rightarrow C$  is K = 10.

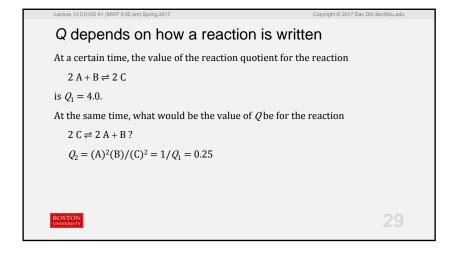
At a certain time the partial pressures are A, B and C are such that the value of the reaction quotient is Q = 100. As time passes, the value of Q will ...

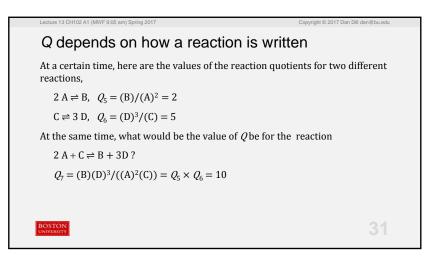
33% 1. increase 33% 2. stay the same 33% 3. decrease



The value of Q (and so K) depends on how a chemical reaction is written.



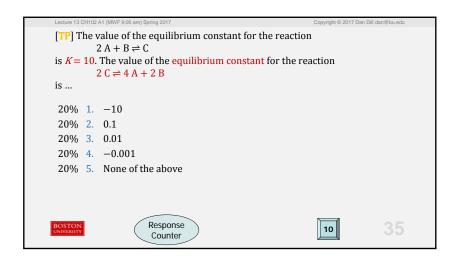




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[TP] The value of the equilibrium constant for the reaction 2 A + B \Rightarrow C is K = 10. The value of the equilibrium constant for the reaction 6 A + 3 B \Rightarrow 3 C is ...

20% 1. 10
20% 2. 30
20% 3. 100
20% 4. 1000
20% 5. None of the above
```



```
Lecture 13 CH102 A1 (MWF 9:05 am) Spring 2017
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[Group Quiz] The value of the equilibrium constant for the reaction
            2 A \rightleftharpoons C \text{ is } K_1 = 4
and that for the reaction
            D \rightleftharpoons C \text{ is } K_2 = 0.5.
The value of the equilibrium constant for the reaction
            2 A \rightleftharpoons D \text{ is } \frac{K_3}{} = \dots
 20% 1. 2
 20% 2. 4
 20% 3. 6
 20% 4. 8
 20% 5. None of the above
                            Response
                                                                              10
                             Counter
```