Chemistry 141 Name

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Quiz 10 (20 points) December 9, 2008

All work must be shown to receive credit.

Given the reaction A + 2B <=> 2C + 2D with a Kc = 0.0134M at a certain temperature. Calculate the equilibrium concentrations of all species when 6.21 moles of A and 3.44 moles of B are placed in a 1.00 L sealed container at that temperature.

[A] = M

[B] = M

[C] = M

[D] = M