### Reaction Order and Rate Law Expression Worksheet

 Given the following equations and experimental data, write the correct rate law equation including the value for the rate constant and indicate the overall order of the reaction.

Alt	Acr		Bo		2	AB
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Exp#	[A <sub>2</sub> ]	[B <sub>2</sub> ]	Rate (mole L <sup>-1</sup> s <sup>-1</sup> )
1	0.0010	0.0010	0.010
2	0.0010	0.0020	0.020
3	0.0010	0.0040	0.040
4	0.0030	0.0040	0.36

For  $A_2$  compare 4 & 5:  $[A_2] \times 2$  rate  $\times 4 = 2^2$ ,  $2^{nd}$  order for  $A_2$ For  $B_2$  compare 1 & 2:  $[B_2] \times 2$  rate  $\times 2 = 2^1$ ,  $1^{nd}$  order for  $B_2$ 

$$r = k[A_2][B_2]$$

$$k = \frac{r}{[A_2]^2[B_2]}$$

$$k = \frac{0.010}{(0.0010)^2(0.0010)}$$

$$k = 1.0 \times 10^7$$

$$r = 1.0x10^{7} [A_{2}]^{2} [B_{2}]$$

Exp#	[c]	[D]	Rate (mole L <sup>-1</sup> s <sup>-1</sup> )
1	0.1	0.01	0.02
2	0.1	0.04	0.08
3	0.3	0.04	0.08

For C compare 4 & 5: [C]  $\times 2$  rate  $\times 1=2^{\circ}$ ,  $0^{\circ h}$  order for C For D compare 1 & 2: [D]  $\times 2$  rate  $\times 2=2^{\circ}$ ,  $1^{\circ c}$  order for D

$$r = k[D]$$

$$k = \frac{r}{[D]}$$

$$k = \frac{0.020}{(0.010)}$$

$$k = 2.0 \times 10^3$$

$$r = 2.0x10^{3}[D]$$

reaction order = 1

reaction order = 3

# **Rate Of Reaction Practice**

**Rob Ritchie** 

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New Owner Airwave Fuse box? - Tech Help Dec 5, 2017 — Hi all I have a 2008 Honda airwave that I was trying different plugs for the accesory/ciggarette socket, and I think I must have blown the ... Fuse box location and diagrams: Honda Fit (GE; 2009-2014) Fuse Locations Located in the back side of the engine compartment on the left side. Push the tabs to open the box. Fuse locations are shown on the fuse box cover. Buy Fuse HONDA AIRWAVE online The best selling Fuse replacement parts for HONDA AIRWAVE are available for your in original quality from our Fuse catagory. Previous. -25%. Solved Continuous Problem - City of Monroe to - Accounting Oct 26, 2015 — The problem assumes the government is using fund accounting for its internal record-keeping and then at year-end makes necessary adjustments to ... Continuous Problem - City of Monroe View Homework Help - Continuous Problem - City of Monroe from BUSINESS 820 at Maasai Mara University. Continuous Problem City of Monroe SOLUTION Dat e 1) 2) ... Continuous Problem City Of Monroe Solution Answers Question . At what points are they chiefly stationed? Answer . At Richmoud, Fredericksburg, Charlottesville, Lynchburg, Bristol, Danville, city of monroe - Continuous Problem City of Monroe to... Continuous Problem - City of Monroe to Accompany Essentials of Accounting for Governmental; Ø Pension trust—Fire and Police Retirement Fund Chapters 3 & 4 The ... Continuous Problem - City of Monroe, accounting ... Continuous Problem - City of Monroe to Accompany Essentials of Accounting for ... solution use control accounts for the budgetary accounts, revenues ... Continuous Problem - City of Monroe 1Continuous Probl. ... Nov 7, 2022 — To reduce clerical effort required for the solution use control accounts for the budgetary accounts, revenues, expenditures and encumbrances. Free epub Continuous problem city of monroe answers .pdf Apr 18, 2023 — This is just one of the solutions for you to be successful. As understood, finishing does not recommend that you have fabulous points ... The Balance Sheet of the Street and Highway Fund ... Oct 25, 2021 — CITY OF MONROE Street and Highway Fund ... This portion of the continuous problem continues the special revenue fund example by requiring the ... City of Monroe The site later attracted a transitory population of traders, trappers, and hunters, but few permanent inhabitants. The first non-native settlers to. Ouachita ...