



### Patricia Epperly



Hi everyone! Here is an example for you to practice for the midterm. Feel free to work on it, and discuss it with your classmates, and share your results:

Iron fertilization experiments have been conducted in the North Pacific to reduce atmospheric CO<sub>2</sub>. Your classmate suggests that the experiment should be conducted in subtropical regions. During a very warm summer, in the North Pacific, and a few days later, a phytoplankton bloom was observed. It appears to be that the experiment was a success.

- a) What type of organism would you expect to find in the bloom?
- b) Estimate (in words) how efficient this type of experiment might be in the long run under the goal of reducing atmospheric CO<sub>2</sub>.

Also, here is the answer key to the review session that was held today. Good luck studying!



Epperly1AReviewB.pptx

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Brian C

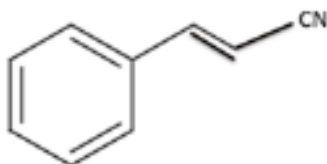
Students' names are in blue.



For the review packet, why are there 6 pi bonds and not 4? Am I supposed to include the lone pairs?

And why does the resonance answer from the tutors add up to 18 and not 15?

Thanks!



End tour

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Emmarie D



You see the CN? That's a triple bond. Triple bonds have 2 pi bonds and 1 sigma bond. So you get a total of 6 pi bonds.

Apr 26, 2015 06:21 PM | 1 View



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Brian C



Why isn't the C bonded to two H with N having lone pairs?

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Emmarie D



If you do that then you have 6 electrons around N.

Mar 31, 2015 06:32 PM | 1 View



Brian C



I see, thank you!

Mar 31, 2015 06:34 PM | 1 View



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