

SNC 2P - 2020-06-08 (Monday)

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Please check in: <https://forms.office.com/Pages/ResponsePage.aspx?id=G&RLReCU2WCd35yhGvQuASPjs6aYVfK-EAh60FvohURUIVT0ZNTVVaWFREWDNDNVNETEIGTjIMMCQIQCN0PWcu>

Good Morning and Happy Monday!

The goal today to to use what we have learned yesterday to complete this sheet: <http://www.schlenkerchem.org/2P/Chemistry/Worksheets/ws%20nomenclature%202%20mono%20elemental.pdf>

Please complete and send me a picture, or type out the answers in order and email back to me.

This worksheet can also be found on the website where you would be able to see the answers as well. It is in the middle column a fair ways down.

I have also included a link to a [NOMENCLATURE HELP SHEET](#) which can be used to find the correct spelling of the anions.

Here is a reminder of how to do these problems.

The first column on the worksheet is just to write the names.

The first part of the name is easy (the cation) All of the cations on this page are simple, the cation name is just the name of the element. You can use [LINK TO INTERACTIVE PERIODIC TABLE](#) to find the elements if you don't have a periodic table handy.

The second part of the name (the anion) will need to end in "ide". You can use the [NOMENCLATURE HELP SHEET](#) to find the "ide"

The second column, writing the formulas is a bit more difficult.

You will need to find the charge on both the cation and the anion - you could use [PERIODIC TABLE EXPLANATION](#) or [PERIOD TABLE IONS WITH CHARGES](#) to help with this.

You will then need to make sure that the total cation charge and the total anion charge is equal: The steps are illustrated here.

Mg with As

Mg^{2+} As^{3-} find the charges

Mg^{2+}_3 As^{3-}_2 multiply each atoms such that the charges balance out (Mg^{2+}_3 means $3 \times 2+ = 6+$ and As^{3-}_2 means $2 \times 3- = 6$)

Good luck. Hope to hear back from you later today.

Mr. Schlenker

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