

Endorsed Posts

Endorsed posts means their content has been checked by a Chemistry Moderator (Chem_Mod) and deemed suitable/correct.

“Endorsed” topics are marked by a tag which is easily visible to all users of the Chemistry Community Website:

TOPICS

 **Internal Energy [ENDORSED]**
by 604468944 » Sun Jan 24, 2016 10:15 pm

 **Percentages Sig Figs? [ENDORSED]**
by carrie_shih_3L » Sun Oct 04, 2015 10:25 pm

Posts that are not endorsed does not mean they are incorrect. It just means they have not yet been checked and endorsed.

In the following screenshot the last post is endorsed which means all posts up to and including the endorsed post have been checked by Chem_Mod.

Percentages Sig Figs? [ENDORSED]

Moderators: Chem_Mod, Chem_Admin

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Percentages Sig Figs?

by carrie_shih_3L » Sun Oct 04, 2015 10:25 pm

If the question is asking for percentages (ex. Percentage composition of a molecule) do we always provide up to two decimal places (ex. ##.##%) ?

Re: Percentages Sig Figs?

by Chem_Mod » Sun Oct 04, 2015 10:53 pm

Do the sig figs normally, so if you need 4 sig figs then it would be xx.xx%

Re: Percentages Sig Figs?

by 704628249 » Wed Dec 02, 2015 6:13 pm

You would just put as many sigfigs as are provided in the question.

Re: Percentages Sig Figs? [ENDORSED]

by Alondra Loera 3K » Thu Dec 03, 2015 10:26 pm

Do as you typically would so, for example, if you are given the following numbers

544.60

6.005

0.00343

Multiplying or dividing using these numbers results in three sig. figs because

544.60 --> 5 sig.figs

6.005 --> 4 sig.figs

0.00343 --> 3 sig.figs

Your answer would have to be XX.X % with only 3 sig.figs.

If additional posts appear after the endorsed post, then they have not yet been endorsed.

Example of a topic that has not yet been endorsed at all:

Units for Plank's Constant

Moderators: Chem_Mod, Chem_Admin

POSTREPLY ↩

Search this topic... Search

Units for Plank's Constant

* EDIT ✖ ✓ ! ⚠ ? "QUOTE

by Albert Chong_1L » Tue Sep 29, 2015 11:51 pm

Plank's constant sometimes uses the units "J-s" and other times " $\text{m}^2 \text{kg} / \text{s}$."

How does one become the other and which should we use for class?

Thanks!

Re: Units for Plank's Constant

* EDIT ✖ ✓ ! ⚠ ? "QUOTE

by Chem_Mod » Wed Sep 30, 2015 12:02 am

The unit $\text{J}\cdot\text{s}$ will be most useful in this class, as it lets you interconvert between energy (J) and frequency ($1/\text{s}$, aka Hz) using $E=h\nu$.

However the other unit is also correct because $\text{energy} = \text{force}\cdot\text{length} = \text{mass}\cdot\text{acceleration}\cdot\text{length} = (\text{mass}\cdot\text{length}/\text{time}^2)\cdot\text{length}$

so $\text{J} = \text{kg} \cdot \text{m}^2 / \text{s}^2$

and $\text{J}\cdot\text{s} = \text{kg} \cdot \text{m}^2 / \text{s}$