Some Notes on Entering Answers and Submitting WebAssign HW

1. You have **AT MINIMUM** 3 'submissions' [*except for multiple choice questions*] to get your results into WebAssign. These must be executed before the due date/time..

2. *Left clicking* on the answer box often indicates the format expected for your response:

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1. Microwave radiation has a wavelength on the order of 1.0 cm. Calculate the frequency and the energy of a single photon of this radiation.

frequency

[   ] Hz

Enter a number.

[   ] J/photon

Calculate the energy of an Avogadro's number of photons (called an einstein) of this radiation.

[   ] J/mol

this question requires a number corresponding to the given units of Hz

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4. Calculate the de Broglie wavelength for each of the following.

(a) an electron with a velocity 10% of the speed of light

[   ] *requires units*

instructor version → Enter a number with units.

(b) a tennis ball (55 g) served at 35 m/s (~80 mi/h)

[   ] *requires units*

4. Calculate the de Broglie wavelength for each of the following.

(a) an electron with a velocity 10% of the speed of light

[3 m] ✓✗ *requires units*   **wrong number; correct units**

student version → Enter a number.

(b) a tennis ball (55 g) served at 35 m/s (~80 mi/h)

[2 g] ✗ Dimensionally incorrect. Please check the type or dimension of your unit. *requires units*

4. Calculate the de Broglie wavelength for each of the following.

(a) an electron with a velocity 10% of the speed of light

[4 m] ✓✗ *requires units*   **used all allowed submissions**

(b) a tennis ball (55 g) served at 35 m/s (~80 mi/h)

[4] ✗ Units are required for this answer. *requires units*

this question requires a number with units (separated from number by space)
in this example if you entered the correct m or the correct km, etc. you would be marked correct

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5. An atom of a particular element is traveling at 1% of the speed of light. The de Broglie wavelength 3.32 x 10⁻³ pm. What is this element (give atomic symbol). [   ]

Answer is not case sensitive.

this question expects alphanumeric text entries

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3. For questions to be graded by class GRADER (e.g. essay) no format is indicated by *left click* (just enter text or use drawing pad, etc). When you submit essay

questions, WebAssign automatically give you full credit. However when the grader evaluates your essay responses you grade may (will?) decrease.

4. To enter a numerical result with an exponent use 'e' or 'E' notation;
   3.00×10^8 enter 3.00e8 OR 3.00E8
   500×10^{-9} enter 5.00e-7 OR 500e-9
   THE exponent e must follow the number digits **WITH NO SPACES** !!
   When **UNITS** are required you must separate the unit from the numerical value; e.g. 2e-17m is marked as wrong but 2e-17 m is marked as correct (if the value is correct!!).
   If the units are not indicated in the problem, WebAssign generally does conversions among similar units;
   e.g. 2e-17 m and 2e-15 cm would both be marked as correct

5. In many questions a "special" syntax of the response will be indicated. Pay close attention to these notes. For example on HW#2 problem 16:

16 *(4 submissions)*
Write the ground state configurations for the following atoms and ions indicating the spins of electrons in shells **that may have more than one arrangement of spins (more than one allowed 'state') *[do not enter spins if configuration corresponds to only one allowed state, e.g. p^5 or d^1].***
Enter your answer using the format [Ar] 4s2 3d10 4p2 for $[Ar]4s^23d^{10}4p^2$.
Enter UP to indicate a spin up (upwards pointing arrow)
UP/DOWN to indicate two paired spins and BLANK to indicate empty orbital component.
To simplify the grading possibilities enter any pairs (UP/DOWN) ⬍ first, then any unpaired electrons (UP) ⬆ and then any empty (BLANK) ☐ orbital components.
Only answers using inert gas "kernel" notation will be correctly scored for example
   for carbon C: enter [He] 2s2 2p2 UP UP BLANK   to indicate [He] $2s^2$ $2p^2$ ⬆ ⬆ ☐
   for oxygen O: enter [He] 2s2 2p4 UP/DOWN UP UP   to indicate [He] $2s^2$ $2p^4$ ⬍ ⬆ ⬆

a. Be [   ]

6. SAVING/SUBMITTING A QUESTION or ASSIGNMENT; **BE CAREFUL !!** :
   as best as I can figure out:
   a. **SAVING A QUESTION** or **SAVING AN ASSIGNMENT** does not submit question to the course for grading but allows you to continue or change solution at a later time. The work is not graded and does not count as one of your 3 allowed submissions.
   b. **SUBMITTING A QUESTION** or **SUBMITTING AN ASSIGNMENT** sends the graded assignment to the course gradebook but does not "save" current answers in your saved assignments. This will count as one of your 3 allowed submissions.
   c. **BEST PLAN:** Save your work as you go BUT BE SURE TO **SUBMIT ASSIGNMENT** when you want it scored and sent to gradebook (also save submitted version).
   d. If you submit an assignment, you can go back later (but before assignment due date) and resubmit as long as you have not used your 3 tries.
   e. You can see and check the responses that you have submitted for grading by selecting *'view last response'*:

view last response

Viewing Saved Work *View Last Response*

[Submit Assignment] [Save Assignment]

Home My Assignments

submit   *save*