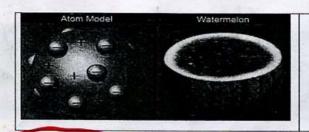




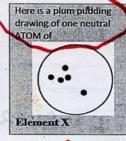
Name NSWERS

Tutors! Adults! Help this young chemist by visiting

| | 10 | IL ARSOL M | http:genest.weebly.com with any smart phone |
|----------------------------|--|----------------------|---|
| | empirical evidence, mark true o | | |
| Then, if false, w | vrite words that could replace | the underlined wo | ords in order to make the statement true. |
| □True pFalse | If something contains <u>unequal</u> amounts of positive and negative charge it will be neutral. | | |
| True False | Top Tape <u>attracts</u> Top Tape. | REPE | LS |
| True DFalse | In our lab, paper was an example of something that was neutral | | |
| True Kalse | In lab, Bottom Tape was an example of something that was neutral Foll or PAPE | | |
| rue DFalse | Top Tape <u>attracts</u> Bottom Ta | ape | |
| True DFalse | In lab, paper was an example | le of something tha | et was neutral |
| rue DFalse | Thomson used a glass tube | and 5000 volt elect | tricity to cause <u>electrons</u> to shoot sideways |
| and hit the end | | | |
| □True XFalse | In lab, top tape was an exam | nple of something | that was neutral |
| shown What is same a | umber of positive and negat here are equal. s our technical word for son amount of negative and pos | nething that has | |
| 24.0 | add more raisins to the ator tive / positive) | m shown here, it | will become |
| - A | | | No. 15 |
| It's super-impo | ortant for us to know what th | e evidence is for th | ne models of the atom this year. |
| | | | n Observation that supports the following |
| 11. Thoms | on claimed the stream he saw | PATH CAI | N BE BEN BY A MAGNET |
| 12. Thoms | on claimed the charge of each | | POSITIVE THINGS |
| | on claimed that all matter con | | ve particles |
| - | OF ALMOST | ALIU S | SUBSTANCE |
| ^ | | | ILL WORKS |



- 14. If Thomson had used a watermelon to explain his ideas about the atom, What color would the positive charged part be?
- 15. What color would the negative charged part be?



16. If this is one atom of Element X, what is the charge of it?

(-5 2 1 neutral +1 +2 +5)

17. If this is one atom of Element X, what is the charge of it?

(-5 -2 -1 neutral

11+2+5)

101-12 +5)

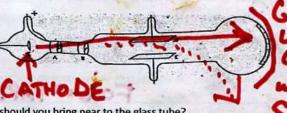
18. If this is one atom of Element X, what is the charge of it?

(-5 -2 -1 neutral +1 +2 +5)



- 19. This is a drawing of Thomson's experiment.
- a) Clearly label what part is the Cathode
- b) Clearly label what part glows when the electricity is turned on
- c) Clearly label what <u>path</u> the flying electrons follow when they travel in a straight line
- d) Clearly label what <u>path</u> the flying electrons follow when they curve

e) If you want the fiving electrons to curve, what should you bring near to the glass tube?





20. This is a pretty good drawing of what Thomson thought a Plum Pudding NEUTRAL hydrogen atom looked like. It shows a positive circle with one electron in it. Refer to it when answering the five questions below

