Name:_____ Period:_____

/10*

ATOMIC STRUCTURE CHART

Fill out the chart for the following atoms. No ions on this assignment.

Name of Nuclide	Atomic Number	Mass Number	# of Neutrons	# of Protons	# of Electrons
^{2}H					
^{1}H					
^{7}Li					
^{24}Mg					
^{239}Pu					
^{238}U					
^{108}Ag					
^{184}W					
^{197}Pt					
^{60}Co					
^{59}Co					
^{206}Pb					
^{27}Al					
^{100}Tc					
^{18}O					
^{71}Ga					
^{118}Sn					
^{201}Hg					
^{14}C					
^{204}Tl					

Calculations: Record your answer using **proper** scientific notation and to the correct number of significant digits.

21.) $\dfrac{(3.00 \times 10^{10})}{(6.000 \times 10^{-9})}$ =   _____

22.) $(6.626 \times 10^{-34}) \cdot (2.0 \times 10^{18})$ =   _____

23.) Find the weighted average of a student's 1st quarter grade. The student has earned 177 points of 198 homework / class activity and lab report points available. These points are worth 45% of the overall average. The student has also earned 290 points of 354 test / quiz and project points available so far. These points are worth 55% of the overall average. Show all of your work.

* The grade for this assignment can be reduced to the percentage that you earn on the original unit 2 test.