

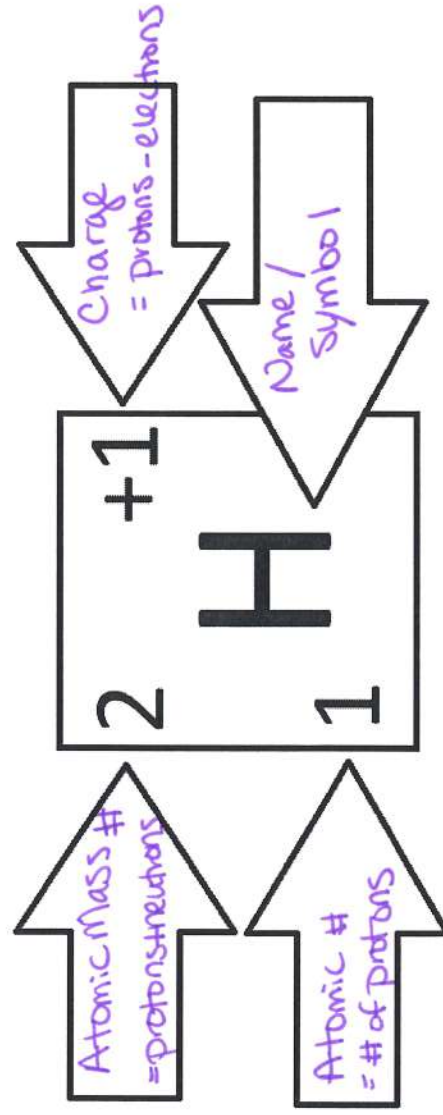
Atomic Components

Atoms are so small that we can't see them to investigate them. Fortunately, we have simulations! From schoology, open the simulation "pHet: Build An Atom", Click on "Atom"

Particles: Add some of each type of sub-atomic particle. Observe the changes & impact of each

Particle	Location in the atom	Affect on name?	Affect on mass?	Affect on charge?
Proton	Nucleus	yes	yes	yes
Neutron	Nucleus	No	yes	No
Electron	Around/ outside	No	No	yes

Atomic Symbol: At the bottom of the page, click the box labeled "symbol". Add some of each type of sub-atomic particle. Observe how each affects the contents of the symbol, and use this information to determine what each portion represents:



Practice: At the bottom of the page, click on "game" and play some of the available games to check your understanding