## EARLY MODELS OF THE ATOM

	OHN DALTON- believed the atom to be KA: The "BILLIARD BALL MODEL"  Posthe	Negg	Hydrozen Orygen
th	THOMPSON- believed that protons and e atom like raisins in plum pudding. (190 KA: the "PLUM PUDDING MODEL"	d electrons were scattered	
AH SI SI SI SI SI SI SI SI SI SI SI SI SI	RNEST RUTHERFORD believed that the ucleus that held positive particles (protorculating around it. (1911)  KA: The "PLANETARY MODEL"  Caperine of the acceptance of the company of the comp	the idea of <u>new</u>	Mosely -3  "proton"  whosely -3  "proton"
•	913) (A: the "BOHR MODEL"  D 1 st Shell = 2e/7  2nd Shell 38e  3rd 38e  Yhn  San  6fy  700  100  100  100  100  100  100  10	Symbo	Herely Hevely Micley

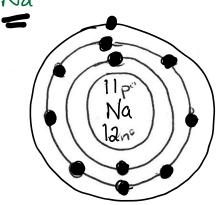
## \* QUANTUM MECHANIC MODEL: \*

## **DRAWING A BOHR MODEL:**

- 1. Place the element symbol in the center of the nucleus
- 2. Indicate the number of both protons and neutrons in the nucleus
- 3. Place electrons into the appropriate "ORBITS" until you run out of electrons: 2, 8,8,18,18, 32, 32

Draw a Bohr Model of the following atoms:





Na 7 Nat 11é=11p 10é=11p



