Topic: Atom and	Nucieus	Date:		
EQ: What are the	characteristics	and features	of an atom?	
Atoms:				
Make-up all				
• Can't be				
• Atoms of the sa	ame element a	re		
• Atoms of differ	ent elements o	can join to for	rm	
 Atoms do 	have an o	verall charge,	they are	
Made of			. These are calle	d

Nucleus: Small area in a atom, the of the atom

• Positive are in the

• Neutral are in the

• The nucleus accounts for most of the Atomic of the atom

o Atomic Mass =

o Units:

• Image of Carbon 12

• Image of Carbon 12 nucleus

Topi	c: Protons and Electrons Date:
_	How are protons and electrons similar and different, and what do they play?
Prot	ons: Positively charged subatomic particle in an atom. charge located in the the number of protons give an atom its all atoms of the same element have the same number of
•	different atoms have different numbers of Mass = AMU
•	The number of electrons is equal to the number of in an atom. Mass = AMU Electrons move in You never know the exact of an electron or . The maximum number of electrons in the orbitals, for the 1st three levels is: 1st level = 2nd level = 3rd level = The electrons in the outermost energy level are
•	determine how
	an atom is