Nam	ne Date	_ Physical Science Period
	Unit 8 (Chapter 4) Atoms Review	W
For $\frac{\text{then}}{1}$	questions 1 - 8, if the statement is true, write true on your paper. If the statement is true. Protons and neutrons have the same charge.	atement is false, write false and
2) 1	Protons and electrons have opposite charges.	
3)]	Protons and neutrons have the same mass.	
4)]	Protons, neutrons, and electrons all live in the nucleus.	
5)]	Neutrons have no charge and no mass.	
6) 4	An electron has the same mass as a neutron.	
7)]	Both oxygen-17 and oxygen-18 are isotopes of oxygen.	
8) 4	An electron cloud represents all the electron orbitals in an atom	·
Ans 9)	wer the following questions completely. Write the three (3) parts of John Dalton's Atomic Theory.	
10)	In Niels Bohr's model of the atom, electrons move like	orbiting the
11)	Where is the nucleus located in the atom?	
12)	Which subatomic particle has a negative charge? a. Where are they located in the atom?	
13)	Which subatomic particle has a positive charge?	
14)	Which subatomic particle has a neutral charge? a. Where are they located in the atom?	
15)	Which subatomic particles have the same mass?	and

16) The number of protons in one atom of an element is that element's atomic whi					
in turn tells you its					
17) To find the number of neutrons in an atom, you would subtract the					
from the .					
18) If element Q has 11 protons, its atomic is 11.					
19) The nuclei of isotopes contain different numbers of .					
20) The region in which an electron is most likely to be found is called a(an)					
21) The maximum number of electrons in the <i>first energy level</i> of an atom is:					

in the second energy level:

in the *third energy level*:

- 22) A certain atom has 26 protons, 26 electrons, and 30 neutrons. Its mass number (atomic mass) is ______.
- 23) Fill in the chart below with the missing information:

Element	Element	Atomic #	Mass #	# of	# of	# of
Name	Symbol		(rounded)	Protons	Neutrons	Electrons
Nitrogen						
	As					
		21				
				29		
	Ι					
		36				
Strontium						
		92				
	Fe					
				28		
						17
	Al					
Sulfur						
		80				
				50		

27) **Draw the Bohr's model for the following elements.** Make sure to show the number of protons, neutrons and electrons. Identify how many valence electrons are in each element.

Phosphorus	Neon	Beryllium
Valence Electrons	Valence Electrons	Valence Electrons