Worksheet - Chapter 5 - Atomic Structure

<u>C</u> 19.

<u>B</u> 20.

Worksh	leet - Chapter 5 - Attomic Oteliciate		
	Atomic Theory Matching		
F 1.	The device which gave scientists and	emocrit	
	image of individual atoms. (See Fig 5.3.) B. Jo	ohn Dal	
D 2.	He confirmed the existence of the neutron. C. J.	.J. Thon	
B 3.	He developed the beginnings of the modern D. J		hadwick
	atomic theory in the 1800s.		utherford
E_ 4.	He developed an elaborate experiment that F.	Scanning	g Tunneling
	showed that the majority of an atom is	Microsc	ope
	empty space, with the majority of its mass		
	concentrated in a tiny nucleus.		
A 5. He first suggested the presence of atoms and named them.			
C. 6 He used a cathode ray tube to discover electrons.			
7 See Fig. 5.2 If 100 000 000 copper atoms form a line 1 cm long, what is the			
dian	neter of a single copper atom?	<u> </u>	- m
There are more copper atoms in a penny than there are people on carrie			
T or F 9. Atoms are so tiny, there is no way we can ever discover anything about			
	the smaller particles which make them.		
ī	Atomic Particle Matching		
<u>C</u> 10.	the a pagetive charge	A.	Protons
A 11.	set a visit of an electron positive charge	B.	Neutrons
B 12.	- but with no charge	C.	Electrons
<u>C</u> 13	They weigh 1/1840th as much as a proton.		
C 14	g . It made the positive plate in a	cathod	e ray tube.
B 15	Discovered by Chadwick		
C 16	16. Discovered by Thomson; negative charged determined by Millikan		
A 17	7. Discovered by Goldstein		
A	R 18. Found in the nucleus		
C 19	9. Found circling the nucleus in orbital clouds		

All atoms except hydrogen have this particle.