Review (2 of 2)

EHS CA3MIs+ry Mr. Genest

1. Which are quantized?





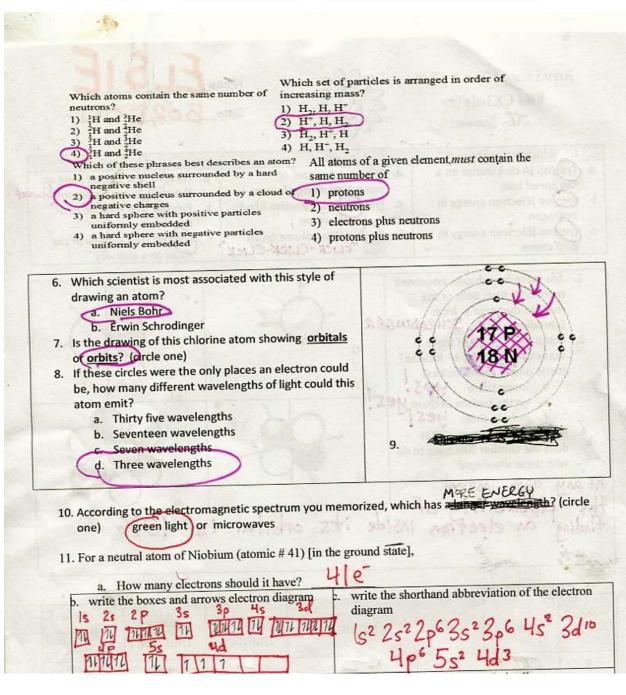
a. (yes/no)A click shifter on a ten speed bike b. (yes/no)Electron energy in hydrogen c. (yes/no)Electron energy in gold atoms	d. (yes/no) the mass of something made of atoms e. (yes/no) The venetian blinds in our classroom f. (yes/no) The volume on an iPod CLICK-CLICK	g. (yes/no) The second hand on the clock in our classroom h. (yes/no) The rotation of a doorknob i. (yes/no) The altitude of the steps on a stairway
Are these four shapes associated more with Niels Bohr or the modern theory of e- from Schrodinger et al?	1,	0
 Compared to each of these shapes, where is an e- loca (circle one or more choices) a. inside them 	ted?	b) > (
b. on the surface of the c. outside them 9e 4. Answer in a sentence. What does the number 90% have	;; -O	90

5. Complete the chart

with these drawings?

p _{loc}	n n	e	symbol	atomic number	mass number	charge
5	7	5	12B	5	12	0
17	18	18	35 CL	17	35	-1
13	15	10	28 Al	13	28	+3
20	21	- 18	41 Ca	20	41	+2
16	16	18	32 S	16	32	-2

At any given instant
the probability of finding an electron inside its orbital is 90%



Don't worry about trying to draw a 41 e- atom as a Bohr Cartoon. I will never ask you to draw something with more than 28 electrons