1. a) Complete the table about atomic particles.

Atomic Particle	Relative Mass	Relative Charge
		+1
	1	
	Negligible	

b) Pescribe the structure of the atom in terms of these particles.

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2. Complete the following table. You may need to refer to a data book or Periodic Table of the elements. The first one is done for you.

Element name	Symbol	Number of protons	Number of neutrons	Number of electrons		
Sodium	Na	11	12			
Magnesium						
Aluminium						
in-	C					
¥	N					
	8	8				
				7		

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1	F				
3.			AT WAY	MAX	

		CESTA PORTE DE SESSES DE LA CONTRE DE CONTRE D										
a) (only the	masses	of the	protons a	nd neu	trons i	n an ator	n contribute	significantly	to	its	mass.

b) an atom has no overall (net) electrical charge.

c)	the idea that all substances are made of very small particles was rejected until John Palton ca	ame
	along in 1808.	,

4. Use a Periodic Table to help you decide to which element each of the following atoms belongs.

Number of protons	4	19	17	11	1
Number of neutrons	5	20	18	12	0
Number of electrons	4	19	17	11	1
Name of element					

a) What is the many election of the letters A, B. For each one wand (iv) the nut	omic not rons of poor	umber of loes a ne otassium E, F and (potassiun utral aton neutral?	n?					
c) How many elected Why is an atom a) The letters A, B For each one w	trons on of posts, C, D, larite do	does a ne otassium E, F and (utral aton neutral?	n of potass	sium conta	in?			
d) Why is an ator a) The letters A, B For each one w	n of po , C, D, rite do	otassium E, F and (neutral?		sium conta	in?		Access the first of the first o	
d) Why is an ator a) The letters A, B For each one w	n of po , C, D, rite do	otassium E, F and (neutral?						
a) The letters A, B For each one w	, C, D, l rite do	E, F and (
For each one w	rite do					CONTROL STATE		, , , , , , , , , , , , , , , , , , , ,	
	muer u								
		A	9 B	19 C	11 p		E	40 F	35 G
(i) Atomic No.			4 -	9 -	5.0	14		18 *	17
(ii) Mass No.									
(iii) No. of Protons						200 0 0 0000 0			
(iv) No. of Neutrons									
b) Use a periodic t	able to	identify	the eleme	nts A B	DEFA	nd G.			
c) Explain what is	mean		Atomic no Mass nu	umber:			·······································	22 1 6 6 7 7 6 8 7 7 8	
Complete the follow	wing ta	L			one for yo	U.			
1	[‡] N	¹⁹⁷ Au	235 U	Ca	84 36	226		····· Fe)
No. of Protons	7			20	30		30	26	1
No. of Neutrons	7			20			34	30	
No. of Electrons	7					88			
Element Ni	trogen				Krypton			A STORY D. Y. WARE N. O.	7
					2				
a) What do we m									
The following shown by the control of the control o				of two iso hey are iso					
(ii) ² 11 c)	How	many ele	ctrons wo	uld isotope	(i) contai	n?			