-Atemic	Structure
an) It is the study of	matter & it's change.
Q1 What is a chemica And) Shaving or transfer	l reaction? gelectrons.
inday selling	12
matter	
4	7
pure water	Sen water impure=mixture
5	2
1 Out suggisted	er's pure iven (Fe)
denially coupled	some type of particles element

		1-1	. = 1		
(D) W	hat is an	itom.			
Anel It	is the su	rellat mutical	e dan ele	Localou Anom	
to lend	who must	in a chemi	and voachie	th.	
1	aper par 1	iv. 5 chemi	Car Morello		
	Aten	nic Doumber	(Proton Dunba)	(7)	
	77.0	Lacaber	(1101011011100)		
(a) 101	int is an at	ante number)	8	1	
a) what is an atomic number? Is					
Ans) Number of protons in the nucleur of an atom					
* Atomic Dumber/ proton number is the identified an element. If protons are changed, the element will change.					
change plotons are accepted the					
			and a		
Mars Dumber - Duchen Number A					
count is hos and neutrons in the nucleus of an					
sum of protons and neutrons in the nucleur of an element.					
exement.					
	particle	mans	charge!		
	proton		+1		
	nouton		0		
	neutron	1740	-1		
		1746		and the state of	

a) what is an ion? And It is a changed particle

*Number of protons are always equal to the number

of elections in an atom. y 7+5--2+ two more protons than electrons two les efections thorn protoins. lotopes Quihat is an istope And Atoms of the same element with a different number of neutrons or different mans. Isotope of hydrogen 7 / H 3H/ST Hydrogen Deveterium tritium Deuterjum on its outernoot stall treekithers y reject in the outernoot Jubs Tames * isotyo are cherically identical pecuse they have

the same number of electrons in the outerment shell. alpha, garama, beta * elements which emit energy invisible radiations are called vidroactive elements. This phenomena's called radioativity. User of radioactive isotoper a Vianium: · miller po weapons, power generation @ Phenehoms/lochne cancer treatment 3 Carbon (18) canhon dating Isotopier and Abundances 11B B 80% 20% 11 x20 + 12 x80 = 11.8

