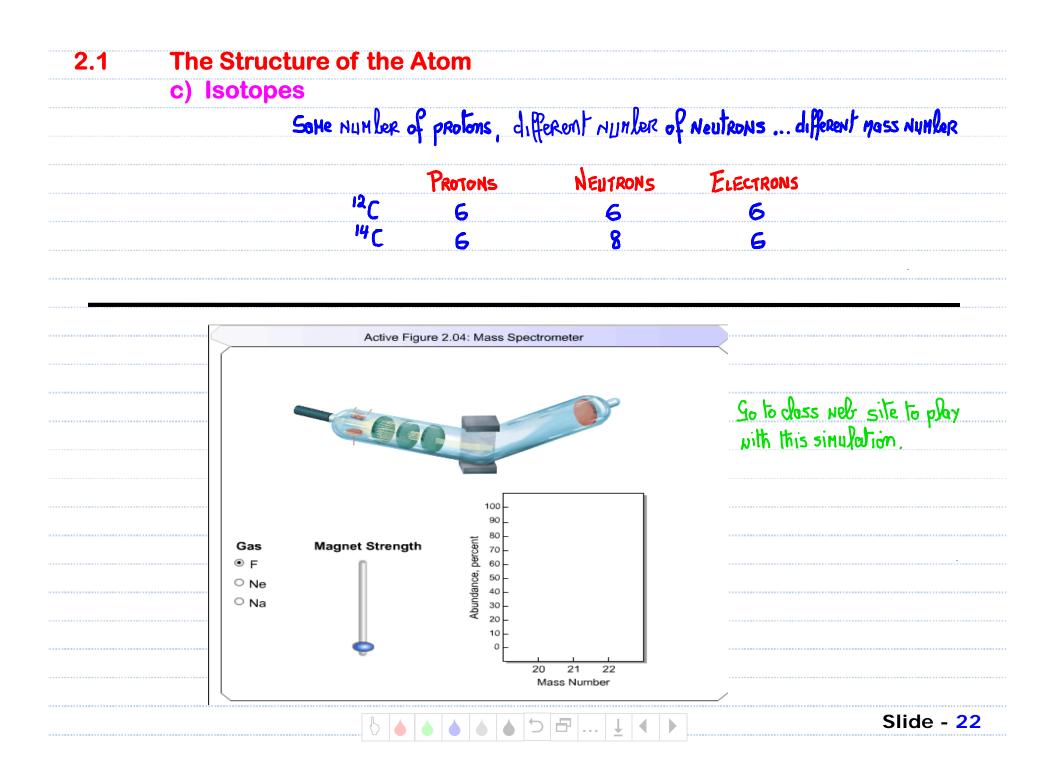
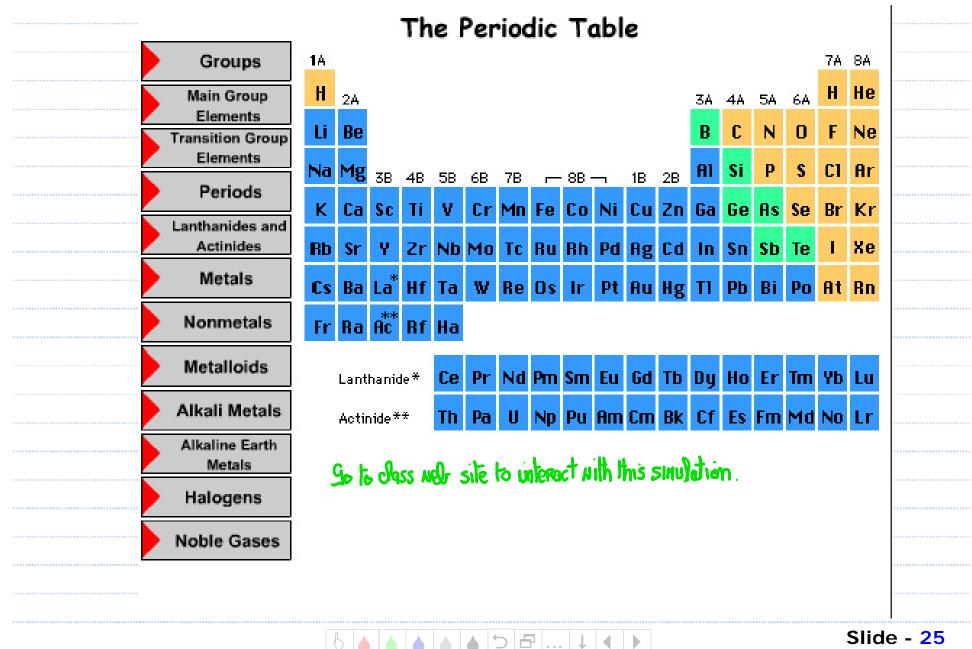
Quiz 1	Last Name:	Class No
a)	When 57.188 is added to 46.82, the res digit(s) after the decimal point. $2$	ult should be reported with
b)	When <b>1234.56</b> is subtracted from <b>123</b> , with digit(s) after the decimal point.	the result should be reported
C)	When <b>57.188</b> is multiplied by <b>46.82</b> , the to significant digit(s)	answer should be reported
d)	When 40.389 is divided by 58.479, the a to significant digit(s)5	answer should be reported



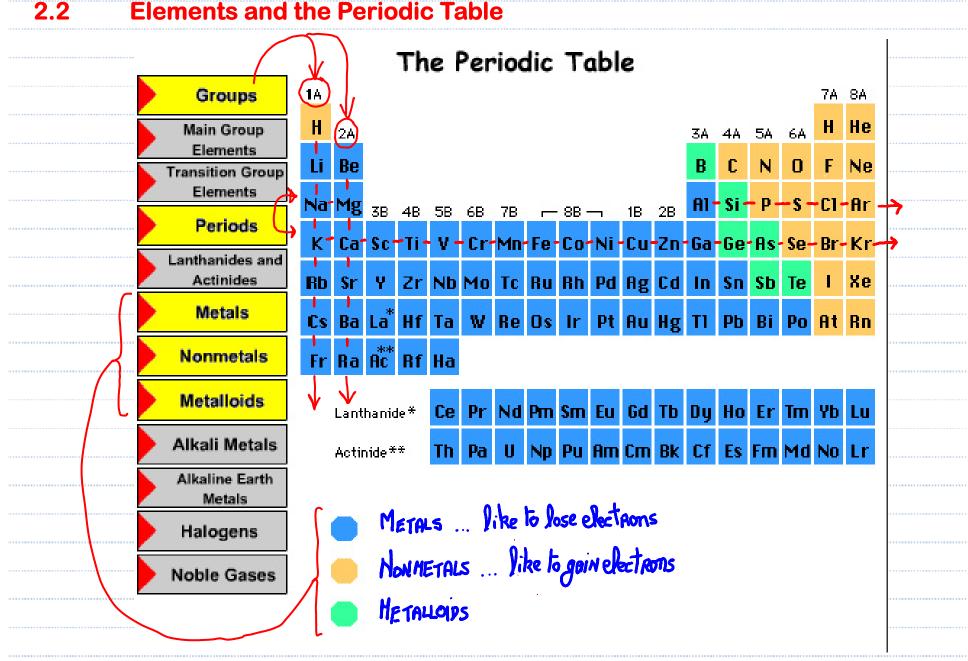
2.1	The Structure of the Atom c) Atomic Weight	
	The weighted average of all Naturally occur	aring isotopes of an element.
2.1c	Atomic Weight – Example_1	
	Chlorine has two naturally occurr	ing isotopes:
	<sup>35</sup> Cl, 75.77% Abundant,	Exact Mass 34.96885 amu
	<sup>37</sup> Cl, 24.23% Abundant,	Exact Mass 36.96590 amu
	What is the Atomic Weight of Chlo	orine?
	0.7577 (34.96855) + 0.2423 (3	6.96590) = 35.452734 amy
		······
		Slide - 23

2.1	The Stru			410111						
	c) Atom	ic Weig	ht						n the ans d) 8	
2.1	c Atomic \	Neiaht -	- Exar	nple	2					
				• —	curring	isotor	Des:			
		90.9		-	-	•		Exact N	lass 19.9	989 amu
	•	0.26			•			Exact N	lass 20.9	975 amu
	•	8.82			÷			Exact N	lass 21.9	979 amu
	What	is the A	tomic	: Weig	ght of N	eon?				
0	9.9092 (19.9989)	+ 0.003	26 ( 20.9	975) +	F 0.0882	(21,997	19) =	20.1778	<b>06</b> സ്വ	
0	9.9092 (19.9989)	+ 0.003	26 ( 20.9	975) +	F 0.0882	(21,997	<b> 9) =</b>	20.177	<b>06</b> ឲាាប	
	9.9092 (19.9989)									

#### 2.2 **Elements and the Periodic Table**

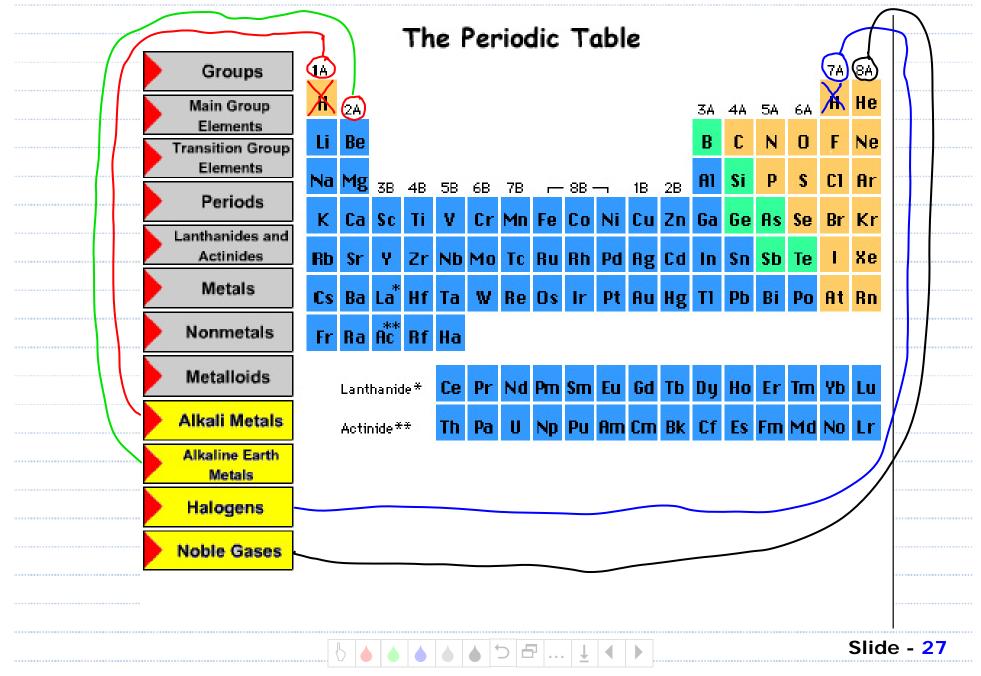


Slide - 25

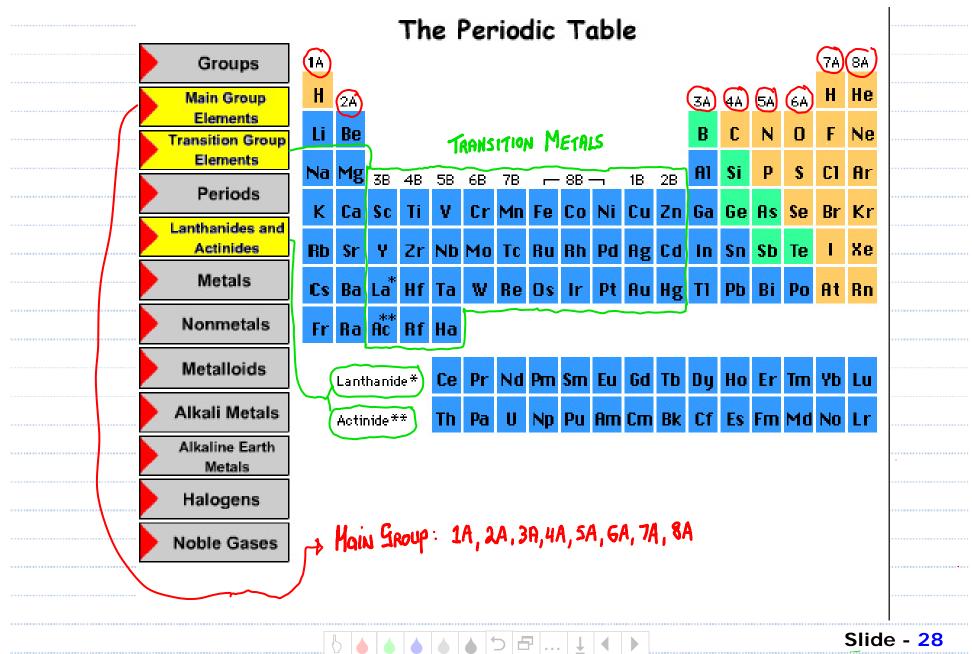


 Slide - 26

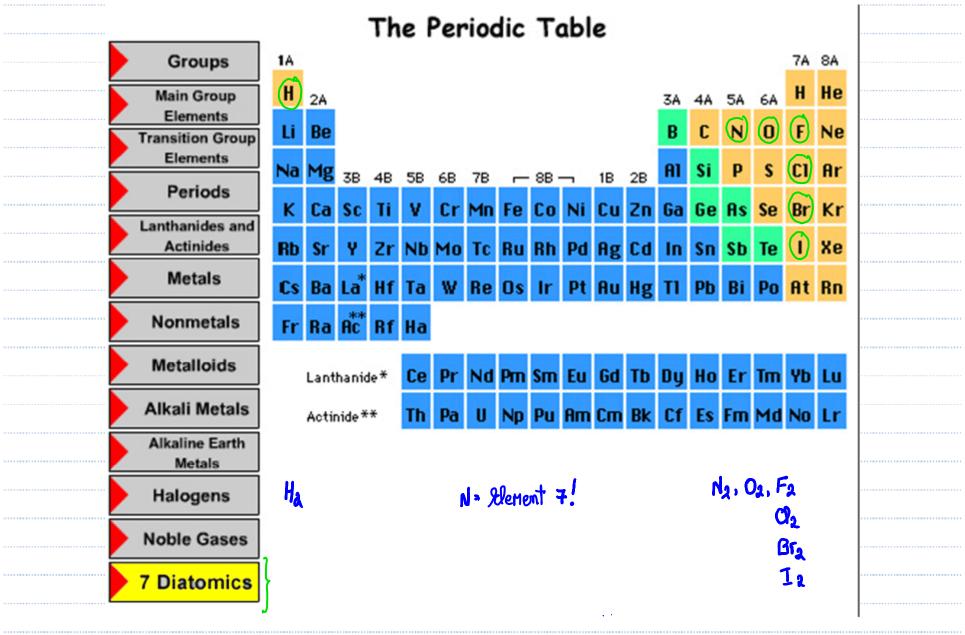
### 2.2 Elements and the Periodic Table



#### 2.2 **Elements and the Periodic Table**



## 2.2 Elements and the Periodic Table



58

Slide - 29

# 8.1 An Introduction to Covalent Bonding Coulomb's Law

