

Isotopes/Ions Practice

Name _____ Hr__

Element	Atomic #	Atomic Mass	Protons	Neutrons	Electrons
C	6			6	
$^{14}_6\text{C}$					6
$^{12}_6\text{C}^{+4}$	6	12			
Ar	18	40			
Ca^{+2}	20	40			
Mt	109	266			
$^{102}_{46}\text{Pd}$					
$^{110}_{46}\text{Pd}$					
H		1			
H^{+1}		1			
F^{-1}	9	19			
$^{16}_8\text{O}^{-2}$					
$^{23}_{11}\text{Na}^{+1}$					
(full atomic symbol)	5	11			2
(full atomic symbol)	16	32			18

Building Isotopes and Ions

Station #	Atomic Symbol	Charge	Atomic #	Atomic Mass	Protons	Neutrons	Electrons
1	${}^1_1\text{H}^{+1}$	+1	1	1	1	0	0
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Which stations are isotopes of the same element?