Mystery Atom Lab

Name _____ Period _____ Score _____/10

	Number of Protons	Number of Neutrons	Number of Electrons	Element Name	Classification
A	1	1	1	Hydrogen	Isotope
B					Stable
C	21				Ion
D					
E		7		Carbon	
F					
G					Ion
H	17		18		Ion
I					
J				Beryllium	
K		6			
L					
M	24			Chromium	
N			10		
O					
P				Neon	
Q	13				
R					Ion

Each Slide Represents an ATOM!
Protons = Black Dots
Neutrons = Blue Dots
Electrons = Number written below the atom label (A, B, C, etc.)

An Atom can be classified as an:
Isotope –has a mass that doesn't match the rounded Periodic Table mass
Ion – atom with an unequal number of PROTONS & ELECTRONS
Stable – atom with equal PROTONS & ELECTRONS and also has a mass that matches the rounded mass from the Periodic Table

***The mass of an atom is the SUM of its PROTONS & NEUTRONS.**

LIVEWORKSHEETS