

NAMING ATOMS – ELEMENTS AND ISOTOPES

Pre-activity Q's: - What is the isotope name for the following atoms

1) 6 protons, 6 neutrons

3) 8 protons, 8 neutrons

5) 2 protons, 4 neutrons

2) 18 protons, 20 neutrons

4) 15 protons, 16 neutrons

6) 30 protons, 36 neutrons

Procedure:

- 1) At the lab benches are 18 bags labeled A-R. Each bag contains various amounts of black and blue marbles. The black marbles represent protons, the blue marbles represent neutrons.
- 2) For each bag, record the number of protons and neutrons in the Data Table.
- 3) Using these values and the periodic table, deduce the information needed to complete the Data Table.

Bag	# of Protons	# of Neutrons	Mass Number	Isotope Name
A				
B				
C				
D				
E				
F				
Bag	# of Protons	# of Neutrons	Mass Number	Isotope Name
G				
H				
I				
J				
K				
L				
Bag	# of Protons	# of Neutrons	Mass Number	Isotope Name
M				
N				
O				
P				
Q				
R				