

1) Write three aspects of Dalton's atomic theory.

2) Fill in the following table: (*negative charge means electrons added; positive means electrons removed*)

Nuclear Symbol	Atomic Number	Mass Number	Number of Protons	Number of Electrons	Number of Neutrons	Charge Possible
${}^{40}_{18}\text{Ar}$	_____	_____	_____	_____	_____	_____
_____	_____	39	19	18	_____	_____
_____	16	_____	_____	_____	20	-2

3) Provide the common names of Groups 1, 2, 7 and 8.

4) For each of the following elements, indicate whether it is a main group element (MG), or transition metal (TM). If the element is a main group element, indicate the group number and whether it is a metal, a nonmetal or a metalloid. Write the symbol and/or name of the element. Write the charge possible on the ion (don't write for TM).

Sr	Bromine	Mo
P	Magnesium	B
Lead	Hg	Mn