

I. Complete the following table.

Element	Atomic #	Mass #	# Protons	# Electrons	# Neutrons
	51				71
Ba		137	56		
	15	31			

II. Using your periodic table, complete the following table.

Element	Nuclear Symbol	Hyphen Notation
Magnesium		
Cobalt		

III. Fill in the blanks with the most appropriate term:

- The two subatomic particles in the nucleus of the atom are the _____ and the _____ which are collectively called _____ because they are in the nucleus of the atom.
- The charge on the _____ is -1 , the charge on the _____ is $+1$, and the _____ is neutral.
- _____ are atoms of an element that have different _____ due to a different number of _____.