

Name: _____

Date: _____

Class/Period: _____

Ion Practice**Part I - Directions:** Read the questions below. Answer in the space provided.

1. An ion is a _____ particle formed from the loss/gain of a(n) _____.
2. A cation is a _____ charged particle formed from the _____ of an electron.
3. An anion is a _____ charged particle formed from the _____ of an electron.

Part II - Directions: Fill in the chart below using the information provided.

Ion Chemical Formula	Type of Ion	Type/# of particles lost/gained	# p ⁺	# e ⁻	# n ⁰	Atomic #	Mass #
4)		gain 1 electron			41		76
5) Cd ⁺²					68		
6)			27	24			60
7)				10		7	15

Part III - Directions: Fill in the chart below using the information provided.

<u>Isotopic Notation</u>	<u>Isotope Name</u>	<u>Atomic #</u>	<u>Mass #</u>	<u>Oxidation #</u>	<u># protons</u>	<u># neutrons</u>	<u># electrons</u>
8)				-2		33	18
9) ${}^{60}_{28}\text{Ni}^{+1}$							
10)			58	+2	26		
11)		15	32	-3			