Name:_____

Octet Rule Assignment

1. Which group of elements have the “best” electron arrangement of all elements?

2. Which groups of elements will lose electrons to get this “best” electron arrangement?

3. Which groups of elements will gain electrons to get this “best” electron arrangements?

4. What creates a positive ion?

5. What creates a negative ion?

6. Write the ions that each of the following elements will form when it reacts:

$_{12}Mg$	Mg^{2+}
$_{4}Be$	
$_{7}N$	N^{3-}
$_{17}Cl$	
$_{15}P$	
$_{37}Rb$	
$_{3}Li$	
$_{34}Se$	
$_{18}Ar$	
$_{14}Si$	
$_{55}Cs$	
$_{10}Ne$	
$_{88}Ra$	
$_{19}K$	
$_{5}B$	
$_{52}Te$	
$_{87}Fr$	
$_{31}Ga$	
$_{50}Sn$	
$_{84}Po$	
$_{54}Xe$	
$_{1}H$	

$_{11}Na$	
$_{32}Ge$	
$_{81}Tl$	
$_{6}C$	
$_{85}At$	
$_{35}Br$	
$_{83}Bi$	
$_{38}Sr$	
$_{51}Sb$	
$_{2}He$	
$_{13}Al$	
$_{16}S$	
$_{8}O$	
$_{56}Ba$	
$_{36}Kr$	
$_{33}As$	
$_{49}In$	
$_{53}I$	
$_{86}Rn$	
$_{20}Ca$	
$_{82}Pb$	
$_{9}F$	