



4. (2 points) Circle any of the following that are *ionic compounds*.



5. (10 points) Complete the following table of compound names and formulas.

Formula	Name
$Br_2O_5$	
	vanadium(III) acetate
$MgSO_4 \cdot 7H_2O$	
	chlorous acid
	potassium azide
$Hg_2(CN)_2$	
	aluminum chromate
$H_2Te(aq)$	
	ammonium perchlorate
$XeF_6$	

	IA (1)																		VIIIA (18)	
1	1 <b>H</b> 1.0080																			2 <b>He</b> 4.0026
2	3 <b>Li</b> 6.9410	IIA (2) 4 <b>Be</b> 9.0122										III A (13) 5 <b>B</b> 10.811	IV A (14) 6 <b>C</b> 12.011	V A (15) 7 <b>N</b> 14.007	VIA (16) 8 <b>O</b> 15.999	VII A (17) 9 <b>F</b> 18.998	10 <b>Ne</b> 20.179			
3	11 <b>Na</b> 22.990	12 <b>Mg</b> 24.305	IIIB (3) 13 <b>Al</b> 26.982	IVB (4) 14 <b>Si</b> 28.086	VB (5) 15 <b>P</b> 30.974	VIB (6) 16 <b>S</b> 32.066	VII B (7) 17 <b>Cl</b> 35.453	VIII B (8) 18 <b>Ar</b> 39.948	(9) 19 <b>K</b> 39.098	(10) 20 <b>Ca</b> 40.078	(11) 21 <b>Sc</b> 44.956	(12) 22 <b>Ti</b> 47.880	(13) 23 <b>V</b> 50.942	(14) 24 <b>Cr</b> 51.996	(15) 25 <b>Mn</b> 54.938	(16) 26 <b>Fe</b> 55.847	(17) 27 <b>Co</b> 58.933	(18) 28 <b>Ni</b> 58.690	(19) 29 <b>Cu</b> 63.546	(20) 30 <b>Zn</b> 65.380
4	37 <b>Rb</b> 85.468	38 <b>Sr</b> 87.620	39 <b>Y</b> 88.906	40 <b>Zr</b> 91.224	41 <b>Nb</b> 92.906	42 <b>Mo</b> 95.940	43 <b>Tc</b> 98.907	44 <b>Ru</b> 101.07	45 <b>Rh</b> 102.91	46 <b>Pd</b> 106.42	47 <b>Ag</b> 107.87	48 <b>Cd</b> 112.41	49 <b>In</b> 114.82	50 <b>Sn</b> 118.71	51 <b>Sb</b> 121.75	52 <b>Te</b> 127.60	53 <b>I</b> 126.90	54 <b>Xe</b> 131.29		
5	55 <b>Cs</b> 132.91	56 <b>Ba</b> 137.33	57 <b>La</b> 138.91	72 <b>Hf</b> 178.49	73 <b>Ta</b> 180.95	74 <b>W</b> 183.85	75 <b>Re</b> 186.21	76 <b>Os</b> 190.20	77 <b>Ir</b> 192.22	78 <b>Pt</b> 195.09	79 <b>Au</b> 196.97	80 <b>Hg</b> 200.59	81 <b>Tl</b> 204.38	82 <b>Pb</b> 207.20	83 <b>Bi</b> 208.98	84 <b>Po</b> 208.98	85 <b>At</b> 209.99	86 <b>Rn</b> 222.02		
6	87 <b>Fr</b> 223.02	88 <b>Ra</b> 226.03	89 <b>Ac</b> 227.03	Unq 261.11	Unp 262.11	Unh 263.12	Uns 262.12													

58 <b>Ce</b> 140.12	59 <b>Pr</b> 140.91	60 <b>Nd</b> 144.24	61 <b>Pm</b> 145.91	62 <b>Sm</b> 150.36	63 <b>Eu</b> 151.97	64 <b>Gd</b> 157.25	65 <b>Tb</b> 158.93	66 <b>Dy</b> 162.50	67 <b>Ho</b> 164.93	68 <b>Er</b> 167.26	69 <b>Tm</b> 168.93	70 <b>Yb</b> 173.04	71 <b>Lu</b> 174.97
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90 <b>Th</b> 232.04	91 <b>Pa</b> 231.04	92 <b>U</b> 238.03	93 <b>Np</b> 237.05	94 <b>Pu</b> 244.06	95 <b>Am</b> 243.06	96 <b>Cm</b> 247.07	97 <b>Bk</b> 247.07	98 <b>Cf</b> 242.06	99 <b>Es</b> 252.08	100 <b>Fm</b> 257.10	101 <b>Md</b> 258.10	102 <b>No</b> 259.10	103 <b>Lr</b> 260.11
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