

Name _____ Period _____

CP Chemistry of the Earth

Assignment 2Q – Naming Polyatomic Ion Compounds

20 Points

For the following ionic compounds, determine the name of the ionic compound

Al(ClO ₃) ₃	
Ion	<u>Ion Name</u>
Al	<u>Aluminum Ion</u>
ClO ₃ ¹⁻	<u>Chlorate Ion</u>
Ionic Compound Name	
Aluminum Chlorate	

no
Roman
Numeral!

Ba(OH) ₂	
Ion	Ion Name
Ba	
OH ¹⁻	
Ionic Compound Name	

K ₃ PO ₄	
Ion	Ion Name
K	
PO ₄ ³⁻	
Ionic Compound Name	

Cu(NO ₃) ₃	
Ion	Ion Name
Cu ³⁺	
NO ₃ ¹⁻	
Ionic Compound Name	
+1: I or I +2: II or II	

no
Roman
Numeral!

Ag ₂ CrO ₄	
Ion	<u>Ion Name</u>
Ag ¹⁺	<u>Silver(I) Ion</u>
CrO ₄ ²⁻	<u>Chromate Ion</u>
Ionic Compound Name	
Silver(I) Chromate	

Sn(C ₂ O ₄) ₂	
Ion	Ion Name
Sn ⁴⁺	
C ₂ O ₄ ²⁻	
Ionic Compound Name	

Mn(SCN) ₂	
Ion	Ion Name
Mn ²⁺	
SCN ¹⁻	
Ionic Compound Name	

Zn ₂ CrO ₄	
Ion	Ion Name
Zn ¹⁺	
CrO ₄ ²⁻	
Ionic Compound Name	

W(S ₂ O ₃) ₃	
Ion	Ion Name
W ⁶⁺	
S ₂ O ₃ ²⁻	
Ionic Compound Name	