LESSON 22 ACTIVITY

Isn't It Ionic? Polyatomic Ions

Name _____

Date _____ Period _____

Purpose

To practice creating ionic compounds that contain polyatomic ions.

Instructions

1. Use the cards to play Ionic Grid. Keep track of your compounds and points in this table.

	Cation	Anion	Chemical name	Chemical formula	Points
Example	Mg^{2+}	SO_4^{2-}	magnesium sulfate	$MgSO_4$	2
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					

Total: ____

2. Play Three-Minute Bonding. Use the table to keep track of your compounds and points. **The chemical formula must be correct in order for you to get any points.**

	Cation	Anion	Chemical name	Chemical formula	Points
Example	Mg^{2+}	SO_4^{2-}	magnesium sulfate	$MgSO_4$	2
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					

Total:

3. Making Sense Another common polyatomic ion is chromate, CrO_4^{2-}. Write the chemical formulas of sodium chromate and calcium chromate.