Name _____ block _____

Activity: Ionic Compounds

Part 1. Draw the electron transfer diagram for 2 complete structures. Write the formula & name the compound.

Cation:	**Anion:**	**Electron Transfer Diagram**

1) Chemical Formula: _____ Name: _____

Cation:	**Anion:**	**Electron Transfer Diagram**

2) Chemical Formula: _____ Name: _____

Part 2. Using the cards, create 4 compounds with the following cation:anion ratio. Draw the particle diagram. Write the formula & name the compound. You cannot use a chip

	Ratio	**Cation**	**Anion**	**Formula**	**Compound Name**
6)	1:1				
7)	1:2				
8)	3:1				
9)	2:1				
10)	1:3				

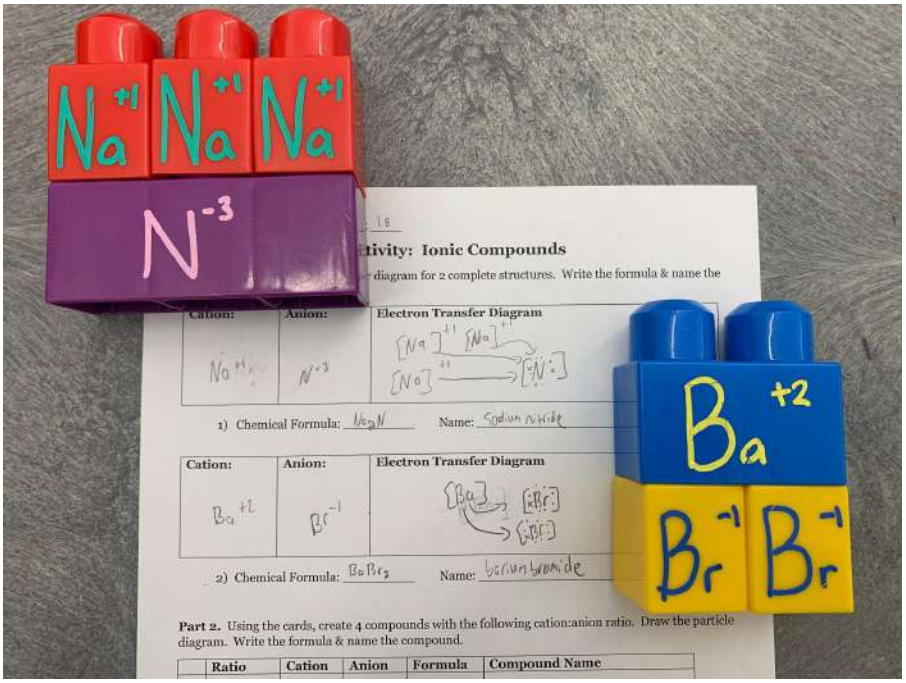
Part 3. Examine the common household item. What is the item used for? Write the formula & name the compound.

	Household Item & Use	**Compound Name**	**Cation**	**Anion**	**Formula**
3)					
4)					
5)					

Teacher Guide: made 3 sets of each where 3 groups of students rotated within their own mini part1-3.

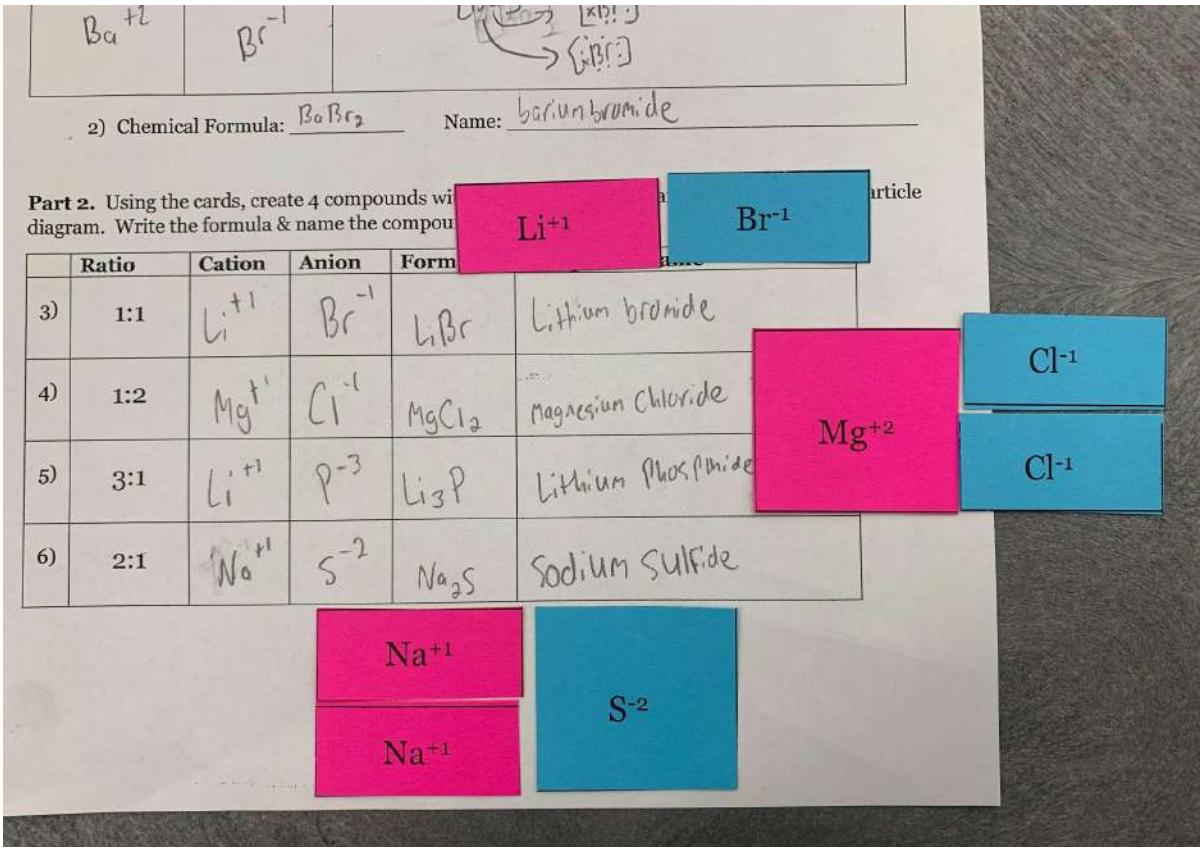
Part 1: Making Ionic Compounds expressing via Electron Transfer Diagram

MegaBloks manipulative



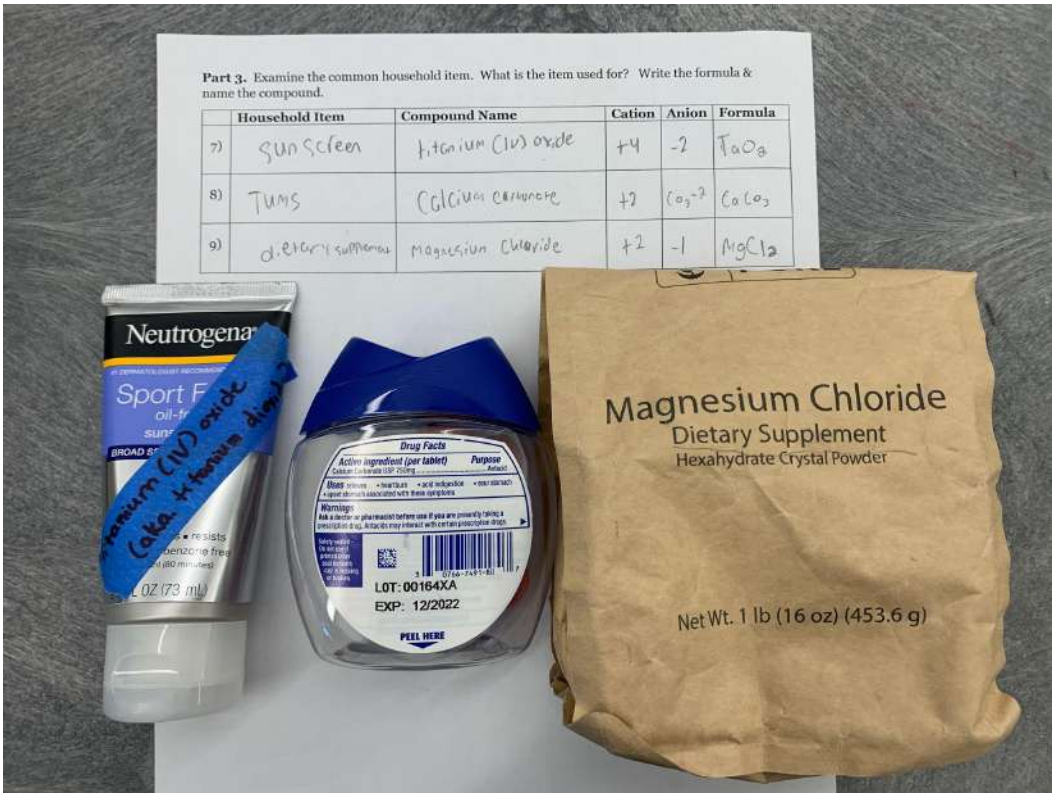
Part 2: Making Ionic Compounds expressing via chemical formula & name

Cation/Anion Chip matching



Part 3: Ionic Compounds in Household Items via chemical formula

Sample household items with ionic compound name



All Household Samples – can add Epsom salt ($MgSO_4$). Welcomed to suggestions… I kept it to simple polyatomic ion compounds