

Name _____

Hour _____

Bingo Buddies



Materials:
Bingo chips

Investigation Question

- How do atoms interact to form molecules?

Procedure

1. Examine the bingo chips noting the positive and negative numbers on each.
2. Find combinations of chips (2 or more) that add up to zero.
3. Draw all your combinations in the chart below listing the pink chips first.

Chip Combos

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Knowledge Probe: Read the article and list at least 3 points that help explain the diagrams you made.

- _____
- _____
- _____

4. Find elements that match the combinations of bingo chips you listed.
 - Use the periodic table with the electron charges listed.
 - Remember to write the element that matches the pink chip first.
 - Use subscripts to show an element that is found more than one time.
5. List your combinations in the table below.
6. Look for your combinations using this website
 - https://en.wikipedia.org/wiki/Dictionary_of_chemical_formulas
7. If your molecule is found on the list
 - Correct your formula if needed
 - Write the name of the substance in the table

Element Combination	Found in Formula List?	Correct Formula if Needed	Name of Substance
	Yes / No		
	Yes / No		
	Yes / No		
	Yes / No		
	Yes / No		
	Yes / No		
	Yes / No		
	Yes / No		
	Yes / No		
	Yes / No		
	Yes / No		

Find one formula from the website that you DID NOT make. Construct it out of bingo chips and draw it below. Does it match the rule and add up to zero?