

Instructions for Froot Loop & Pretzel Compound Building Activity

Directions for Ionic Compounds -

1. Place appropriate element cards on the table.
2. Place Froot Loops around the elements to represent the electrons. (Use different colors for different elements)
3. Transfer the appropriate “Froot Loop” electrons around until you come up with the correct formula for the ionic compound.
4. Once you have finished, raise your hand so your teacher can check your model.
5. Draw the electron dot diagrams for the final compound on your answer sheet.

Directions for Molecular Compounds -

1. Place the appropriate element cards on the table.
2. Place Froot Loops around the elements to represent the electrons. (Use different colors for different elements)
3. Once you have built the electron dot structure, build the molecular structure by using pretzel sticks to represent the bonds.
6. Once you have finished, raise your hand so your teacher can check your model.
7. Draw the structural formula for the final compound on your answer sheet.

Name: _____ Date: _____ Class: _____

Froot Loop and Pretzel Compound Building Activity Answer Sheet

IONIC COMPOUNDS

Build a model of the electron dot structure using Froot Loops, then write the correct empirical formula in the boxes below:

Calcium and Chlorine	Aluminum and Chlorine
Magnesium and Nitrogen	Cesium and Chlorine
Calcium and Sulfur	Barium and Bromine
Potassium and Nitrogen	Potassium and Oxygen

MOLECULAR COMPOUNDS

Build a model of the molecular structure using Froot Loops and Pretzel sticks. Then draw the structural formula in the boxes below:

O_2	HCN
HF	H_2O_2
CH_4	H_2O
F_2	CO_2

Ca	Cl	Cl	Cl	Al
K	K	Mg	Mg	Mg
S	Ba	Br	Br	N
O	O	F	F	H
H	H	C	K	Cs
H	N			