



Welcome to Science!

February 26, 2020

Remember:

- No Phones
- No Headphones
- Sit in Assigned Seats

Agenda

- Naming Ionic Compounds
 - 6 Combo Convos
 - Practice
- Writing Chemical Formulas
 - Practice
- Covalent Compounds
 - Card Sort and Notes

Student Learning Goals

- I can name chemical formulas containing any combination of
 - metal
 - nonmetals
 - transition metals
 - polyatomic ions
- I can write chemical formulas if given the name
- I can identify a chemical formula as ionic or covalent

I can identify chemical formulas containing:

- ❑ metals
- ❑ nonmetals
- ❑ transition metals
- ❑ polyatomic ions

Meh

I get it, but need more practice

Go Home Ms.
Blaney, I got this!



Padawan

Knight

Master



Naming Ionic Compounds

- For #1-20
- Identify the **cation** and **anion** by writing a combination of the following to the left of the Question Number:
 - **P** = compound contains a **polyatomic ion**
 - **T** = compound contains a **transition metal**
 - **M** = compound contains a **metal**
 - **N** = compound contains a **nonmetal**

For example:

MP 1. Na_2CO_3 _____

3 min - 6 Combo Convo

- Do you agree that the chemical formulas present are at the correct combination location?
 - Yes = Identify the cation and anion in this formula
 - No = relocate to the correct combo
 - Ms. Blaney and Masters we need help!

6 Combo Convo

Round 2

- Discuss with your group:
 - How do you determine whether your formula is ionic or covalent?
 - If it is ionic, how do you determine which combination it is?
 - What do you look at first?
 - How do you know when to use your polyatomic ion chart?
 - Can you identify the different parts of the formula?

Naming Ionic Compounds

- For #1-20
- Identify the **cation** and **anion** by writing a combination of the following to the left of the Question Number:
 - **P** = compound contains a **polyatomic ion**
 - **T** = compound contains a **transition metal**
 - **M** = compound contains a **metal**
 - **N** = compound contains a **nonmetal**

For example:

MP 1. Na_2CO_3 _____

Writing Ionic Formulas

- For #22-42
- Identify the **cation** and **anion** by writing a combination of the following to the left of the Question Number:
 - **P** = compound contains a **polyatomic ion**
 - **T** = compound contains a **transition metal**
 - **M** = compound contains a **metal**
 - **N** = compound contains a **nonmetal**

For example:

MN 1. sodium phosphide _____

I can identify chemical formulas containing:

- ❑ metals
- ❑ nonmetals
- ❑ transition metals
- ❑ polyatomic ions

Meh

I get it, but need more practice

Go Home Ms.
Blaney, I got this!

