$\qquad$ Core: $\qquad$

## Practicing "Flipping Our Classroom"

Soon I want you to watch some lessons at home while answering some questions, giving us more time to practice and explore the concepts in class. Today we are going to practice this new skill in class. We will watch the video on the link below and model how you should complete the worksheet.

## https://www.youtube.com/watch?v=ulyopnxjAZ8

## Drawing Lewis Dot Diagrams: Posted by Bozeman Science

1. Draw a Lewis Dot Structure for each of the elements in the box below

| Ne | H | He |
| :--- | :--- | :--- |

2. Covalent compounds: The sharing of electrons that occurs between non-metals and non- metals. For example, $\mathrm{H}_{2} \mathrm{O}, \mathrm{CO}_{2}$. Remember, lonic compounds are between metals and non-metals, and electrons leave, they are not shared.
3. Draw a Lewis Dot structure for $\mathrm{H}_{2} \mathrm{O}$ below in 3 steps

4. Draw a Lewis dot structure below for $\mathrm{CO}_{2}$
$\square$

Independent Practice: Make a Lewis dot structure for the following molecules. Have two different colors for the different elements

| Ionic Compounds (giving electrons away between <br> metals and non-metals) | Covalent Compounds (sharing electrons between <br> non-metals and non-metals) |
| :--- | :--- |
| NaCl | HCl |
| HCl | HF |
| CaO | BN |
| MgSi (harder) |  |

## Reflection:

How did you like this model of watching a video as part of your instructional lesson?

I am considering having you watch some videos at home as homework, allowing us more class time to practice. It seems lately we have not had enough time to practice our new ideas. Also this would allow us to see some dangerous chemical reactions.

Would you be able to watch the video and answer some questions at home on your own? Why or why not?

