Lewis Dot Structures

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| ***Teacher:*** | Ms. Athwal  | ***Date:*** | September 9-13 | ***Course:*** | Chemistry | ***Grade:*** | 11 |
| ***CA Standard(s):*** 2e *Students know* how to draw Lewis dot structures**.**2a *Students know* atoms combine to form molecules by sharing electrons to form covalent or metallic bonds or by exchanging electrons to form ionic bonds. |
| ***Learning Objective (s):*** LT 2.1: I can draw and explain the significance of a Lewis Dot structure for any element on the Periodic Table.LT 2.2: I can define and identify a cation and an anion. Additionally, I can predict the ion that will form for any element on the Periodic Table.  |
| ***Essential Question(s):*** What are conflict diamonds and what is the chemistry of the bonds in these diamonds? |
| **Assessment**: 1. Draw the Lewis structure for Boron. What charge does this element have?
2. Draw the Lewis structure for nitrogen. How many electrons will it gain/lose to satisfy the Octet Rule?
3. What is wrong with the Lewis structure below:

X |
| ***Do Now***: What substance has the exact same element makeup as diamond? |

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| **WHOLE GROUP/ DIRECT INTRUCTION** |
| * Lattice Structures
* Ions: Cations and Anions
* Formal Charges
* Lewis Dot Structures
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| **SMALL GROUP STATION** |  | **COLLABORATIVE STATION** |  | **COMPUTER ASSISTED STATION** |
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