**Mrs. Parrott’s Distance Learning Work**

**Week of April 13, 2020**

**Assignments: Atoms and Chemical Bonding Choice Board**

**SC.8.P.8.5 Recognize that a finite number of elements combine in many ways to produce compounds that make up all the living and nonliving things around us.**

**SC.8.p.8.8 Identify basic examples and compare and classify the properties of compounds, including acids, bases, and salts.**

Directions: Choose 1 activity from each row. When you have completed the activities, please email to me at parrottm@leonschools.net. You may work on other activities, but at least 3 are required to submit for grading. I choose activities # \_\_\_\_\_\_\_\_\_, # \_\_\_\_\_\_\_\_, # \_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
| 1.* **Watch Why do Atoms Bond?**

<https://www.youtube.com/watch?v=JOL-nUt_vfo>* **Create a T-chart** with 5 stable atoms and 5 atoms unstable atoms. At the bottom explain what affects atom stability.
 | 2.* **Create a dating profile** for an atom in groups 1-2, 13-18. Make sure to review the structure of your atom, its stability, and which atoms with which it is looking to bond (date).
 | 3.* **Letter to the Editor**

Write as if you are a noble gas (group 18). Defend and justify why you and the other noble gases do not need to form chemical bonds with other atoms.  |
| 4.* **Create a Comic Strip**

Be sure to show how covalent or ionic bonds occur based on how valence electrons behave during bonding. | 5. * **Poster** –Design 2 posters (8 ½ x 11) for science teachers to use in their classrooms.

Each poster should be for a different type of bond (covalent and ionic). Be sure to cover how valence electrons behave during each bonding process. | 6.* **Complete Review Concept Sheets** for Ionic and Covalent Bonds
* Bonding Review Sheet
 |
| 7.* **Create a crossword puzzle at Discovery Education** <http://puzzlemaker.discoveryeducation.com/CrissCrossSetupForm.asp>

(you can also make one by hand)**Using the following words:** chemical bond, covalent bond, covalent compound, ionic bond, ionic compound, valence electrons | 8.* **Create a rap or song** about atoms and chemical bonding. Make sure to include why atoms bond, the different ways atoms bond, and the results of these bonds.
 | 9.* **Create an 8-question multiple choice test** about atoms and chemical bonding.
* Make sure to include an answer key.
 |

Work to be graded :

[**Choice Board Grading Rubric**](Choice%20Board%20Grading%20Rubric.docx)

**\*\*Required Assignment: TEAMS Quiz – Chemical Bonding**

**Office Hours:**

Mon-Fri – 10:00 – 12:00pm

If you cannot meet me during Office Hours and need help, please e-mail me at parrottm@leonschools.net and we can set up a specific time that works for you*.*