**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](mailto:parrottm@leonschools.net). You may work on other activities, but at least 3 are required to submit for grading. I choose activities # \_\_\_\_\_\_\_\_\_, # \_\_\_\_\_\_\_\_, # \_\_\_\_\_\_\_

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| 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](mailto:parrottm@leonschools.net) and we can set up a specific time that works for you*.*