

**Edmore Public School**  
**706 Main St, Edmore, ND 58330**

**Physical Science Lesson Plan**

**Dates:**

October 23 - 25, 2023

**Time and Period:**

10:30 - 11:22 AM, Third Period

**Performance Standard:**

**HS-PS1-1**

Use the periodic table as a model to predict the relative properties of elements based on the patterns of electrons in the outermost energy level of atoms.

**HS-PS1-5**

Apply scientific principles and evidence to provide an explanation about the effects of the reacting particles on the rate at which a reaction occurs.

**HS-PS1-7**

Use mathematical representations to support the claim that atoms, and therefore mass, are conserved during a chemical reaction.

**Monday, October 23**

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|---|---|
| <b>Topic</b>                                  | Review: The Periodic Table  |
| <b>Objectives</b>                             | Locate different periods, groups, and blocks within the periodic table to become familiar with the structure and purpose of the periodic table. |
| <b>Bell Ringer</b>                            | Differentiate between <i>s and p orbitals</i> .   |
| <b>Procedure /<br/>Instructional Delivery</b> | Online Quiz, Simulation, Guided Practice, Interactive Review  |
| <b>Assessment</b>                             | Practice Exercise   |

**Tuesday, October 24**

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| <b>Topic</b>                                  | Unit Test and Chemical Nomenclature: Ionic Compounds with Transition Metals |
| <b>Objectives</b>                             | Use chemical formulas to represent chemical compounds.                      |
| <b>Bell Ringer</b>                            | Write the chemical formula for <i>mercury(II) sulfide</i> .                 |
| <b>Procedure /<br/>Instructional Delivery</b> | Simulation, Discussion, Guided Practice                                     |

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| <b>Assessment</b> | Unit Test<br>Worksheet on Naming Compounds |
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**Wednesday, October 25**

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| <b>Topic</b>                                  | Continuation of Unit Test<br>Chemical Nomenclature: Naming Molecular Compounds |
| <b>Objectives</b>                             | Discuss the rules for systematically naming molecular compounds                |
| <b>Bell Ringer</b>                            | Define <i>molecular compound</i> .   |
| <b>Procedure /<br/>Instructional Delivery</b> | Guided Practice, Interactive Discussion  |
| <b>Assessment</b>                             | Worksheet on Naming Compounds  |

**Thursday, October 26**

**NO SCHOOL**

**Friday, October 27**

**NO SCHOOL**