



Edmore Public School
706 Main St, Edmore, ND 58330

**Chemistry Lesson Plans for
October 10-14, 2022
3rd Hour, 8:40 – 9:32 AM**

	Monday (Oct 10)	Tuesday (Oct 11)	Wednesday (Oct 12)	Thursday (Oct 13)	Friday (Oct 14)
Performance Standards	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-PS1-1 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-PS1-1 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-PS1-1 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-PS1-1 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.
Topic	Isotopes and Ions	Quantum Number – day 1	Quantum Number Day 2	Unit Review	Unit test
Objectives	<ul style="list-style-type: none"> describe isotopes of different elements explain how an atom become ions 	<ul style="list-style-type: none"> predict the location of the electron using the quantum numbers 	<ul style="list-style-type: none"> predict the location of the electron using the quantum numbers 	<ul style="list-style-type: none"> review for the unit test 	<ul style="list-style-type: none"> assess proficiency of the current unit
Bellringer	(3 min) Hund's rule	(3 min) Aufbau principle	(3 min) Pauli Exclusion principle	(3 min) Quantum number	(3 min) vocab quiz
Procedure/ Instructional Delivery	<ul style="list-style-type: none"> Engage: playmada simulation game Direct instruction: ions Independent practice: ions worksheet 	<ul style="list-style-type: none"> Engage: (5 min) watch the video https://www.youtube.com/watch?v=8ROHpZ0A70I Explore (10 min): simulation on the shapes of orbitals Explanation (17 min): Discuss the different quantum numbers using PowerPoint presentation while the students are filling in lecture notes 	<ul style="list-style-type: none"> Engage: review questions from previous lesson Explain: solve some problem exercises for quantum numbers Elaborate: students will do practice problems Evaluation: learners will complete the rest of the worksheet 	<ul style="list-style-type: none"> Objectives walkthrough Review worksheet Review games 	<ul style="list-style-type: none"> Unit Test INB

		o Evaluation (5 min): summary questions			
Assessment	worksheet	Summary questions	Worksheet	Review paper	Unit Test
Remarks					

Prepared by:

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