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	• describe isotopes of different elements • explain how an atom become ions	• predict the location of the electron using the quantum numbers	• predict the location of the electron using the quantum numbers	• review for the unit test	• 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	○ Engage: playmada simulation game ○ Direct instruction: ions ○ Independent practice: ions worksheet	○ 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	○ 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	○ Objectives walkthrough ○ Review worksheet ○ Review games	○ Unit Test ○ INB

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

Prepared by:

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