

MR. ALBERNAZ – PRE-AP (A DAY) AND REGULAR (B DAY) CHEMISTRY

AGENDAS FOR THE WEEK: *10/30 – 11/3*

	MONDAY (B DAY) 10:34AM-12:03PM	TUESDAY (A DAY) 10:34AM-12:03PM	WEDNESDAY (B DAY) 10:34AM-12:03PM	THURSDAY (A DAY) 10:34AM-12:03PM	FRIDAY (B DAY) 10:40AM-12:15PM
	Objective(s): SWBAT *Use electron configurations to put electron in proper orbitals *name rules of historical scientists in regards to electron orbitals	Objective(s): SWBAT *Use electron configurations to put electron in proper orbitals *name rules of historical scientists in regards to electron orbitals *complete circuit diagrams in both series and parallel	Objective(s): SWBAT *identify numbers of electrons in neutral atoms and ions *use the periodic table to identify ions based on atomic number and electrons.	Objective(s): SWBAT * Use electron configurations to put electron in proper orbitals * complete circuit diagrams in both series and parallel *present information in a collected way, as in a science fair style	Objective(s): SWBAT *draw lewis dot structures for atoms and elements *use lewis dot structures to identify valence electrons
P	Students will complete a warm-up on concepts present in the flame test lab. Students will then watch a short video on electronic configuration.	Students will complete a warm-up on concepts present in the flame test lab. Students will then watch a short video on electronic configuration.	Students will complete a warm up on electronic configuration. Students will then consider ion channels in the body as a way of introducing them to real world processes that involve ions.	Students will be reminded of electronic configuration as well as ionic representations. Students will pick up from where they left off last time.	Students review ions from the previous class using a warm up. Valence electrons will then be introduced through a video.
L A	Students will practice placing electrons in correct orbitals based on the electronic hotel rules. This will involve group work or individual work based on students' needs.	Students will practice placing electrons in correct orbitals based on the electronic hotel rules. This will involve group work or individual work based on students' needs. Students will begin working with circuits to create a model of the electron using LEDs and poster board. Students should use colors of lights in higher orbitals that correspond to high energy.	Students will complete a group activity involving ions. A worksheet will be used so that students may calculate ionic configurations on their own.	Students will continue working on their poster board LEDs, filling orbitals appropriately considering their given element. The poster board should also have the correct electronic configuration of electrons for the element. Groups will then present their element to each other.	Students will complete a page of guided notes regarding valence electrons. Students will complete a worksheet on valence electrons in pairs in the lab stations.

<p>N</p>	<p>Students will turn in their activity worksheets to be used as an evaluation. In addition, student questions throughout the lesson will gauge understanding as the activity progresses.</p>	<p>Students will be monitored throughout the activity as an evaluation of understanding.</p>	<p>Students' group activity will be collected to evaluate student understanding on ions and atoms.</p>	<p>Students presentations will be graded based on a rubric, as well as student work being evaluated for correctness.</p>	<p>Students will turn in their activity worksheets to be used as an evaluation. In addition, student questions throughout the lesson will gauge understanding as the activity progresses.</p>
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