ARCH Login

Terry Sacket - January 8, 2018

Today

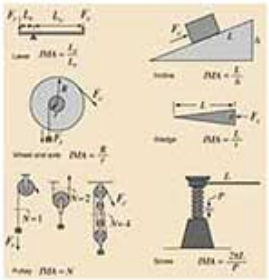
Period 1, 2, 3, 7 - PreAP Chemistry - Terry Sacket

Mon, Jan 8	Tue, Jan 9	Wed, Jan 10	Thu, Jan 11	Fri, Jan 12
2.Ions Questions (con't from last Friday) WHAT? **Ions** WHY? The formation of ions is foundational to understand chemistry.	**3.Lab: Spectral Emissions** WHAT? **Spectral Emission and Flame Tests** WHY? Flame colors is a result of a combination of emission spectrum produced by electrons in elements falling from a higher energy level to a lower one. 	**3.Lab: Spectral Emissions *con't*** WHAT? **Spectral Emission and Flame Tests** WHY? Flame colors is a result of a combination of emission spectrum produced by electrons in elements falling from a higher energy level to a lower one. 	**4.ACT Questions** WHAT? **Con't Practice / Check Understanding / Create ACT Question** WHY? It is critical students know the basics of identifying what kind of ions will form based on the element's location on the periodic table. Without this understanding, all chemistry that follows will be lost to the student. Student Instructions	**4.ACT Questions** SUBSTITUTE WHAT? **Con't Practice / Check Understanding / Create ACT Question** WHY? It is critical students know the basics of identifying what kind of ions will form based on the element's location on the periodic table. Without this understanding, all chemistry that follows will be lost to the student.

Period 4 - AP Chemistry - Terry Sacket

Mon, Jan 8	Tue, Jan 9	Wed, Jan 10	Thu, Jan 11	Fri, Jan 12
2.Covalent Bonding WHAT? **Covalent Bonding: Orbitals** WHY? The arrangement of valence electrons is represented by the Lewis structure and the molecular geometry can be predicted from the VSEPR model.	**3.POGIL: Types of Bonds** WHAT? **Types of Bonds** WHY? Electronegativities will be used to determine how different types of bonds will form.	**4.POGIL: Polar and Nonpolar Molecules** WHAT? **Molecular Polarity** WHY? Δ Electronegativities of bonds and geometric shape of molecules can be used to determine polarities of a molecule.	**5.Basic Concepts of Chem Bonding ALE** WHAT? **Basic Bonding Concepts ALE** WHY? This is a continued summary of bonding topics we need to be aware of.	**6.Molecular Geometry & Bonding Theories ALE** WHAT? **Molecular Geometry & Bonding Theories ALE** WHY? This is a continued summary of bonding topics we need to be aware of.

Period 5 - PreAP Physical Science - Terry Sacket

Mon, Jan 8	Tue, Jan 9	Wed, Jan 10	Thu, Jan 11	Fri, Jan 12
2.Work and % Efficiency *con't* WHAT? Stations: Work and % Efficiency WHY? Simple machines make doing work easier. How much easier is the ***mathy*** part of using simple machines.	**2.Work and % Efficiency *con't*** WHAT? Stations: Work and % Efficiency WHY? Simple machines make doing work easier. How much easier is the ***mathy*** part of using simple machines.	**3.IMA & MA of Simple Machines** WHAT? Stations: Simple Machines and their Mechanical Advantage WHY? The benefits of using a given simple machine can be determined by calculating their ideal mechanical advantage. 	**4.Simple Machines and Energy Change** WHAT? Stations: Simple Machines as Systems with Changing Energy WHY? To fully understand simple machines one needs to look at them as a combination of a system with an object or objects that when work is done the system there is a energy transfer or change in energy on the object(s) within the system. WOW what in the dickens does that mean? Hopefully at end of this activity, you will know.	**5.Work & Energy Conservation** SUBSTITUTE WHAT? Work and Energy Conversion and Conservation WHY?