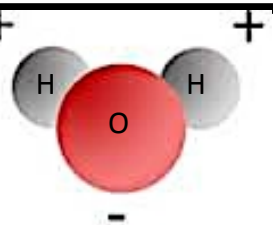
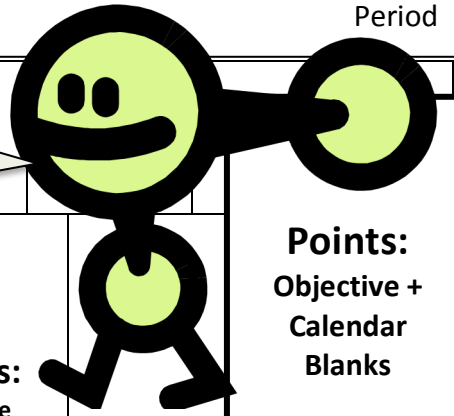
Chemistry 3: Compounds

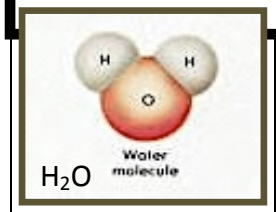


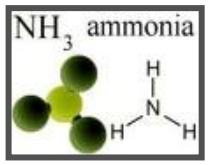
Science 8 **October 2018**

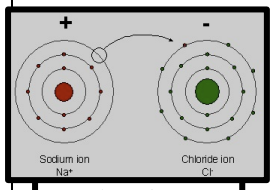
Mrs. Plyter http://www.plyter.com/science

Name Period

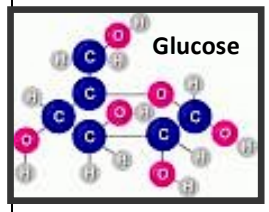


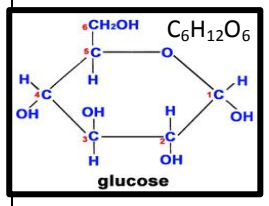


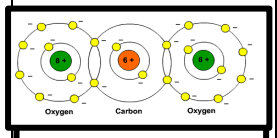




NaCl: *Table Salt*







Carbon Dioxide CO_2

8

Read "Matter is the Stuff Around You" Paper

1. **Matter:** Fill in the blanks on page 1.

2. **The Law of Conservation of Mass:** Highlight as you read about **Dalton's Atomic Theory** and **The Law of Conservation of Mass.** _____

3. **Fill in the blanks** on the back of this calendar.

9

Compound Cards:

1) Water: H_20 _____

2) Carbon dioxide CO_2_____

3) Table salt: NaCl _____

4) Ammonia: NH_3_____

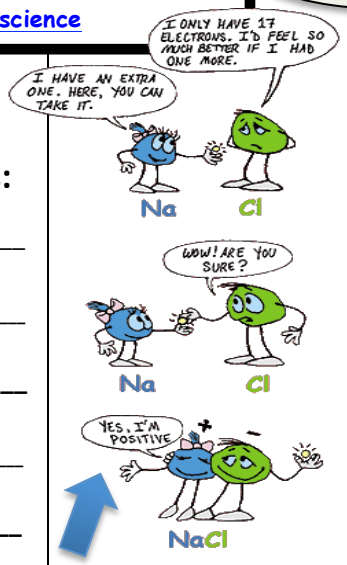
5) Glucose $C_6H_{12}O_6$ ____ (Simple Sugar)

←See the left side of this calendar for a drawing. Copy 1 of them.

One Molecule of Water

Hanging from the Ceiling!

_____



↑**Sodium gives away its 1 outer or valence _____ and gets a ___ charge.**

Chlorine takes an electron to fill its outer level to ___ electrons, so now it has a ____ charge. Opposite charges _____ ! So….

Na sticks to Cl and makes NaCl which is

_____ _____

or

_____ _____.

11

Online Points:

Screen Checks are Required!

Discovery

1) Elements and Compounds ___

2) Compounds Video_____

Physical Science Page

3) Build an Atom-- Choose a Game. List what you do:

_____

_____

_____

4) *Classic ChemBalancer*

_____

Calendar DUE THE LAST DAY OF THE ←WEEK!

No School

Points:

Objective + Calendar Blanks

Compound Cards

Oxygen + H_2O Model

Online Points

Daily Quizzes

Mon _____

Tue _____

Wed _____

Thu _____

TOTAL _____

Central Science Home Page: www.plyter.com/science

Physical Science: →**Build an Atom** **Classic ChemBalancer**

Discovery Education: Username = 23yearlastf Password = Student # See Above and Discovery Assignments

Practice Tests: ***QuizLab*** Classword = plyter19 → Password = Your Student # The First 36+

Extra: **iMac: On the Desktop: Atom Builder Activity: Build** Carbon Have the screen checked (No Screen Shots).

OBJECTIVE:

Write the Objective:

_____

_____

_____

_____

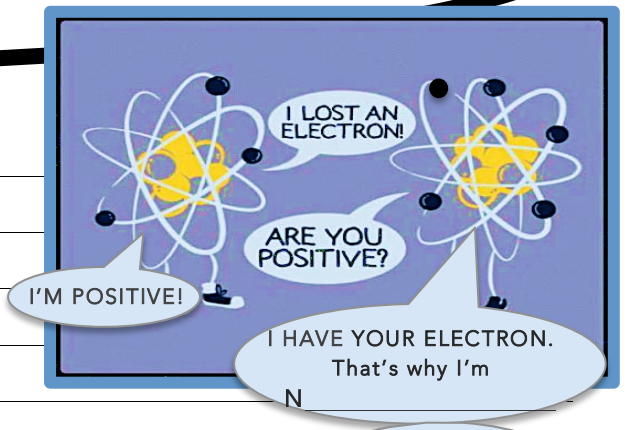
_____

_____

_____

_____

_____



Count! The above cartoon atoms are both from the element _____

Fill in the blanks

1) The **Law of Conservation of Matter (and Mass)** states that no _____ of matter occurs in chemical reactions so we say _____.

2) New substances (products) of a chemical reaction are different than those of the original elements or compounds (reactants), but the total number of atoms stays the _____.

3) **For Water:** **Reactants** → **Product(s)**

_____ + 2_____ → _____

4) Atoms of elements are regrouped into different molecules according to _____ **movement**.

OBJECTIVE:

I will model a Chemical Reaction (Chemical Change) using my **models** of H (hydrogen) and O (oxygen) to form H_2O (water) as I demonstrate electron movement and **Conservation of Matter**.

(MS-PS1)