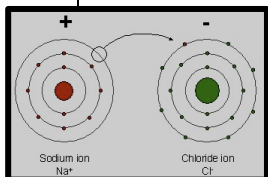
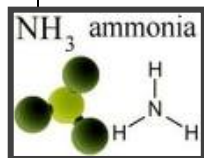
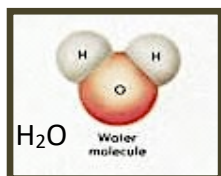


CHEMISTRY 3: COMPOUNDS

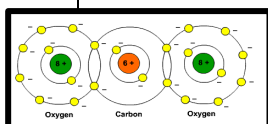
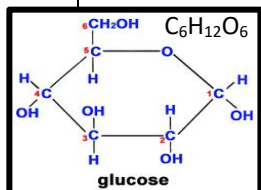
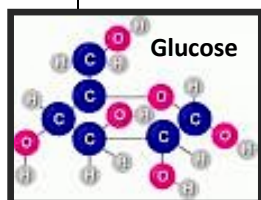
SCIENCE 8 OCTOBER 2019
MRS. PLYTER PLYTER.COM/SCIENCE

Name _____

Period _____



NaCl: Table Salt



Carbon Dioxide CO₂

30

“Matter is The Stuff Around You” (A Paper)

As you read:

1. Fill in the blanks.

2. **Highlight ONLY** Chemistry Vocabulary words & terms. _____

3. **If an atom were the size of an apple, then the apple would be the size of _____.**

A Video: Elements & Compounds

Discovery Education
Get a Screen Check _____

1

Compound Cards:

1) Water: H₂O _____

2) Carbon dioxide CO₂ _____

3) Table salt: NaCl _____

4) Ammonia: NH₃ _____

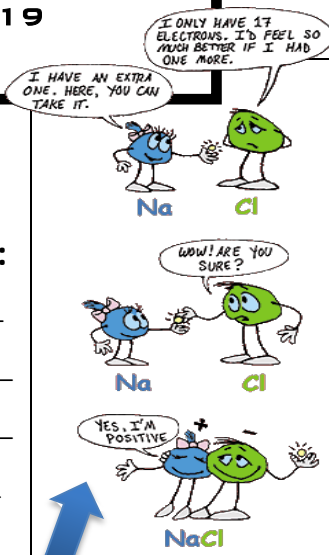
5) Glucose C₆H₁₂O₆ _____
(Simple Sugar)

← See the left side of this calendar for diagrams to use for your cards.

1 Molecule of Water

H₂O Hanging from the Ceiling!
Get checked first! _____

If time: **Element Cards**
Add Structure and Diagrams _____



1) ↑ Sodium gives away its 1 outer _____ and gets a _____ charge.

2) Chlorine takes an electron to fill its outer level to _____ electrons, so it has a _____ charge. Opposite charges _____ !

3) So, Na sticks to Cl and makes NaCl which is _____ or _____.

Thu

3

Investigate! (A Lab)

The freezing point of H₂O is _____. When H₂O freezes the H₂O molecules line up. Adding NaCl changes that.

How Low Can U Go? Use an Inquiry Template, a balance scale, goggles, a thermometer +.... **Ask!** _____

Try some or all of These!

Elements and Compounds Examples Worksheet _____

The Particle Model Worksheet _____

Classic ChemBalancer
Physical Science Page
Screen Check _____

Atom Builder Activity
on the OLD iMac Desktop:
Make a Carbon Atom.
Screen Check _____

What are Quarks?

Fri

4

Calendar DUE

Points:
Calendar
Objective + Back and Front Blanks

Grade

The Stuff..

Compound (Element) Cards

H₂O Model

Investigate!

Try These!

Daily Quizzes

Write Points
Initial in Color

Mon _____

Tue _____

Wed _____

Thu _____

Fri _____

TOTAL _____

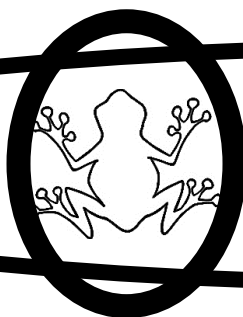
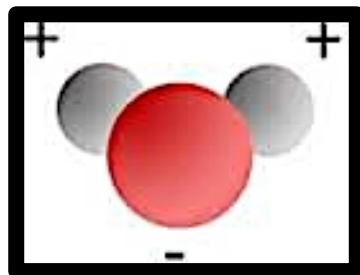
Central Science Home Page: www.plyter.com/science
Screen Checks are Required!

Physical Science: → Quizzes → **Classic ChemBalancer**

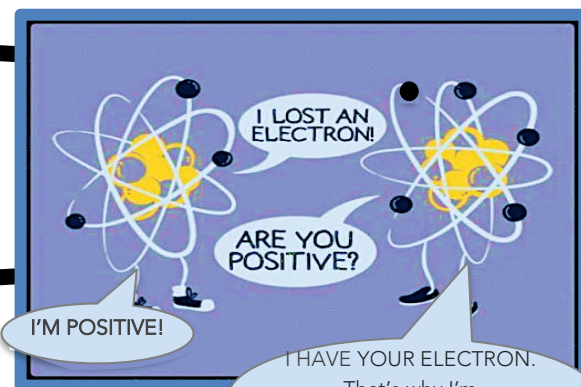
Discovery Education: Username = 24yearlastf Password = Student # See Above and Discovery Assignments

Practice Tests: mygradebook.com Classword = plyter20 → Password = Your Student #

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



OBJECTIVE:



Write the Objective:

Count all of the electrons! The atoms in the above cartoon atoms are both from the element _____

Your Grade for Last Week:

	Yours	Required
Calendar Back +	_____	15
Online	_____	15
Element Cards	_____	25
Ceiling Model	_____	10
Online Models	_____	10
Online Quizzes	_____	10
Daily Quizzes	_____	35
Totals	_____	120

Yours / Required X 100 = %
 _____ / 120 X 100 = _____

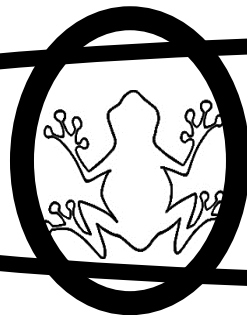
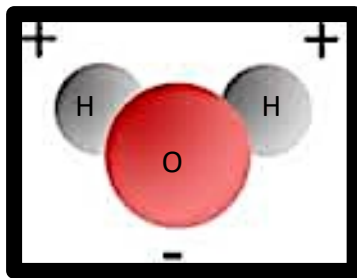
% Grade in Gradebook _____

Last week my grade went
 ↑? or ↓? _____ !

Fill in the blanks:

- The **Law of Conservation of Matter (and Mass)** states that no _____ of mass (matter) occurs in chemical reactions so we say _____.
- The atoms of one **element** all have the same number of _____.
- Elements or compounds (**reactants**) change to new elements or compounds (**products**) in chemical reactions, but the total number of atoms _____.
- Compounds have specific recipes or ratios. Water is always _____. Carbon dioxide is _____.
- For Water (H₂O):**

_____	+ 2 _____	→	_____
	3 atoms	→	_____ atoms
- Atoms of **elements** are regrouped into different molecules of **compounds** according to the movement of _____. Like charged atoms _____. Opposite charged _____.
- Elements on the _____ (top, left, right, bottom?) of the Periodic Table usually combine with those on the _____ (top, left, right, bottom?), such as **Na+Cl → NaCl**.



OBJECTIVE:

I will model a Chemical Reaction
(Chemical Change) using
models of H (hydrogen) and O
(oxygen) to form H₂O (water) as I
demonstrate electron movement
and **Conservation of Matter.**

(MS-PS1)