

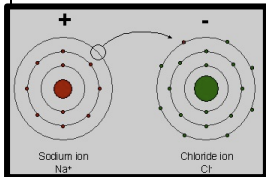
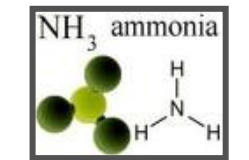
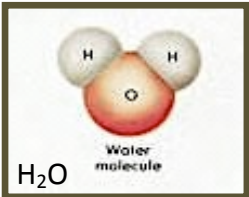
MATTER 4: COMPOUNDS

Science 8 October 2017

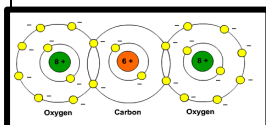
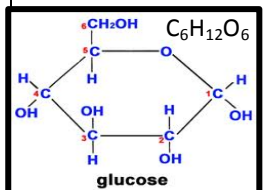
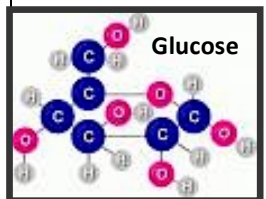
Mrs. Plyter <http://www.plyter.com/science>

Name _____

Period _____



NaCl: Table Salt



Carbon Dioxide CO₂

9

**Models:
3 Atoms
and a Molecule
in the Ceiling:**

3 Atom Models :
2 H = 10 _____
1 O = 10 _____
1 Molecule Model
H₂O = 10 _____
30 _____

10

**Compound
Cards:**

- 1) Water: H₂O _____
 - 2) Carbon dioxide CO₂ _____
 - 3) Table salt: NaCl _____
 - 4) Ammonia: NH₃ _____
 - 5) Glucose C₆H₁₂O₆ _____
- (Simple Sugar): See left ←
side of calendar for a
drawing. Copy 1 of them.
1+ point per box
15 _____

*If 2 atoms of the element
could talk:*

I ONLY HAVE 17 ELECTRONS. I'D FEEL SO MUCH BETTER IF I HAD ONE MORE.

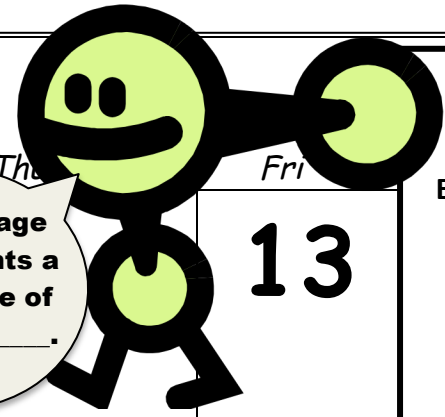
I HAVE AN EXTRA ONE. HERE, YOU CAN TAKE IT.

↑ 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 _____.

This image represents a molecule of _____.



13

If TIME::

- 1) Classic ChemBalancer 10 _____
- 2) Build an Atom Choose a Game List what you do: _____
- 3) Jefferson Lab → Games and.. → Element Math Game → All areas 10 _____
- 4) Atom Builder Activity on the iMac Desktop 10 _____
- 5) More Models? _____

Calendar
DUE
THE
LAST DAY
OF
THE
← WEEK!

No
School

Points:
MORE
Element Cards

Compound
Cards

Models

3 Cartoons

If Time:

Daily Quizzes

Mon _____

Tue _____

Wed _____

Thu _____

TOTAL _____

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

Physical Science: → Build an Atom

Classic ChemBalancer

Jefferson Lab: Physical Science → Jefferson Lab → Games and Puzzles

→ Element Math Game → 10 Questions → All Areas → Have checked on the screen.

Discovery Education: (Username = yearlastf Student #) Prefix Board? Find something to share?

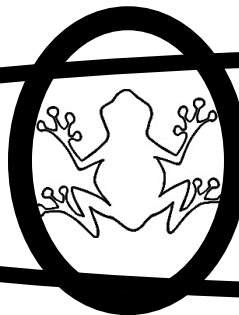
Practice Tests: QuizLab Classword = plyter17 → Password = Your Student #

iMac: On the Desktop: Atom Builder Activity: Carbon





Write the Objective:



OBJECTIVE:

I will show my understanding

Of Chemical Reactions (Change)

by constructing models of

H, O and H₂O, showing that

- 1) Atoms (reactants) are regrouped into different molecules.
- 2) The total number of each type of atom, and the total mass, stays the same
(Laws of Conservation of Matter and of Mass).
- 3) The new substances (products) have different properties than those of the original (reactants).

(MS-PS1)