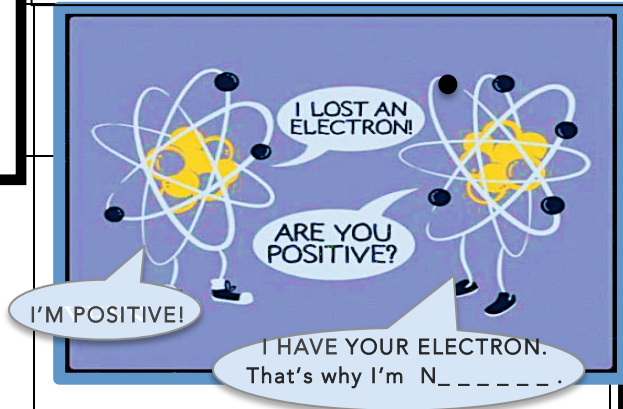


MATTER 3 ATOMS

Science 8 Mrs. Plyter
October 2017 www.plyter.com/science

Name _____

Period _____



Points:
Changes
Worksheet

Discovery Board
P&S

Element Cards

Ceiling Models

Online Models

Materials

Daily Quizzes:

Mon _____

Tue _____

Wed _____

Thu _____

Fri _____

TOTAL _____

2

Changes
Worksheet

3



Element Cards:
Structure & Diagrams
Using the **BOHR**
Model.
 $H + O + C + Na + Cl$
5+ cards 5 pts ea.
20 _____

4

Atom Models:
Must hang from ceiling:

2 Hydrogen Atoms 10 _____
1 Oxygen Atom 10 _____

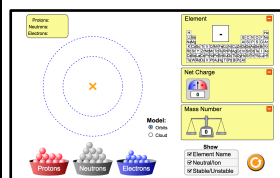
$2 H + O = H_2O$
Hydrogen + Oxygen =
Hydrogen Oxide
**= One MOLECULE
of WATER..**
In the Ceiling!
10 _____



5

Online Models of
Atoms

Checked on screen
Build an Atom
See below...Turn all on

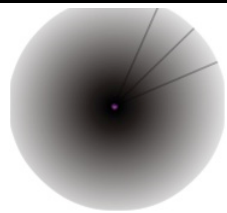


Neon ___ Fluorine ___

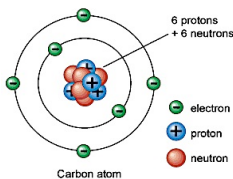
6

Finish the
cartoon. It is
about 2 atoms
of which
element?

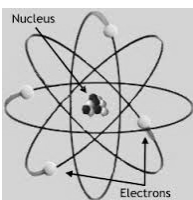
_____ 5 _____



Cloud Model
Present Day



Bohr Model
1913



Rutherford Model
1906-1911



...Dalton Model
1800's

Discovery
Education
BOARD:
Prefixes and Suffixes
Define 5+
Illustrate
Give Examples
2-5 points each
10 _____

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

Physical Science → Particle Model Activity (BBC) → Particulate States of Matter
→ Water States of Matter → Matter: The Song

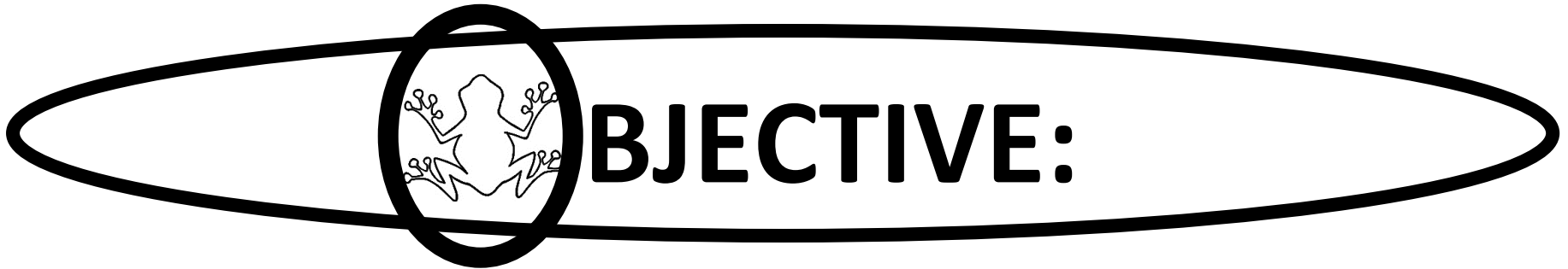
Practice Tests: **QuizLab** Classword = plyter18 → Password = Your Student #

Online Models of Atoms: Physical Science Page:
Build an Atom:: F + N EXTRA! Classzone Atoms: Oxygen

Jefferson Lab: Physical Science → Jefferson Lab → Games and Puzzles → Element Math
Game → 10 Questions → All Areas → Have checked on the screen.

EXTRA: Ask! iMac: On the Desktop: **Atom Builder Activity:** Carbon 10 _____





Write the Objective:

Start a **Discovery "Board"** of prefixes and suffixes. (Login to Discovery Education.)

- 1) Include meanings, examples and images.
- 2) Organize in a helpful way.
- 3) Start with these.

- 1) Exo-
- 2) Endo-
- 3) -thermic
- 4) -ide
- 5) hydro-



OBJECTIVE:

I will develop models of atoms to describe the composition of atoms (of elements) and then use these models to show the formation of molecules (of compounds).