

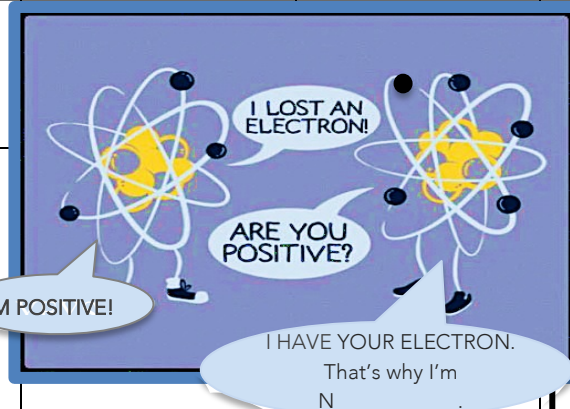


# CHEMISTRY 2 ATOMS

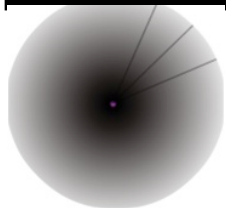
Science 8 Mrs. Plyter  
September 2019 [www.plyter.com/science](http://www.plyter.com/science)

Name \_\_\_\_\_

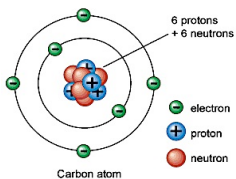
Period \_\_\_\_\_



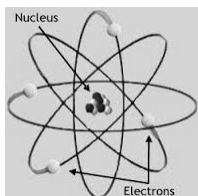
**Points:**  
Calendar Back + Grade  
Online  
Element Cards



Cloud Model Present Day



Bohr Model 1913



Rutherford Model 1906-1911



...Dalton Model 1800's

23

Online:

**Meet the Elements**  
Watch. Write symbols or formulas for:

Watch for UPPER & lower Case letters!

- 1) In balloons \_\_\_\_\_
- 2) Makes pipes \_\_\_\_\_
- 3) Coal \_\_\_\_\_
- 4) Diamonds \_\_\_\_\_
- 5) Glass \_\_\_\_\_
- 6) Elephants + Us + \_\_\_\_\_
- 7) Salt \_\_\_\_\_

**Watch.**

Get Adult Signature: \_\_\_\_\_  
Particulate... \_\_\_\_\_  
Water States \_\_\_\_\_

24

**Element Cards:**

Structure & Diagrams Using the **BOHR Model**. Do 5+ Cards at 5 points each.

Include:

- H \_\_\_\_\_  
O \_\_\_\_\_  
C \_\_\_\_\_  
Na \_\_\_\_\_  
Cl \_\_\_\_\_

**Build Models of Atoms:**

Must hang from ceiling:

- 2 Hydrogen Atoms \_\_\_\_\_  
1 Oxygen Atom \_\_\_\_\_

25

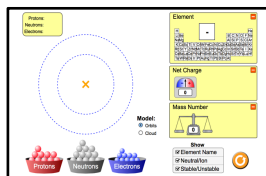
**Online Models of Atoms:**

→ Physical Science Page

**Build an Atom**

Turn everything on!

Element Net Charge  
Mass Number Element  
Neutral Stable



**Build Atoms** that are neutral and stable.

Get Adult Signature

- Nitrogen \_\_\_\_\_  
Fluorine \_\_\_\_\_  
Oxygen \_\_\_\_\_

OLD iMac- Atom Builder  
Build a Carbon Atom \_\_\_\_\_

26

**Online Element Quizzes**

Physical Science Page

**Element Abbreviations (Symbols)**

Do 36 or more.

**Elements: The First 36+** \_\_\_\_\_  
MyGradebook.com

27

**Finish the Word in the Cartoon. ↑**

- 1) Count the electrons. \_\_\_\_\_
- 2) Write the name of the element that the cartoon is about \_\_\_\_\_

**Extra:**

Paper Particle Lab \_\_\_\_\_

Elements & Compounds Examples \_\_\_\_\_

Ceiling Models

Online Models

Online Quizzes

Calendar Cartoon

**Daily Quizzes:**

Write # Correct.  
Initial in Color!

Mon \_\_\_\_\_

Tue \_\_\_\_\_

Wed \_\_\_\_\_

Thu \_\_\_\_\_

Fri \_\_\_\_\_

**TOTAL** \_\_\_\_\_

**Central Science Home Page:** [www.plyter.com/science](http://www.plyter.com/science)

**Screen Checks are Required**

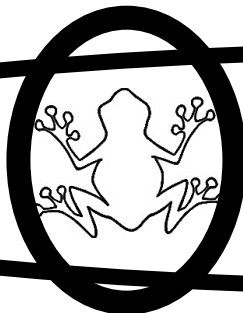
Physical Science → → Meet the Elements → Water States → Particulate

→ Build an Atom:: → Element Abbreviations (Symbols). Do the first 36 or more.

Practice Tests → [Mygradebook.com](http://Mygradebook.com) Classword = plyter20 → Password = Your Student # **Elements: The first 36 +**

**Extra:** The old by COOL iMac: On the Desktop: **Atom Builder Activity:** Build a Carbon Atom





# OBJECTIVE:

Write the Objective:

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## Your Grade for Last Week:

	<u>Yours</u>	<u>Required</u>
Objective +	___	20
Grade	___	5
Periodic Tables	___	20
Online	___	25
Labs	___	25
Quizzes	___	30
Totals _	___	125
Yours / Required X 100 = %		
___ / 120 X 100 =	___	___
Grade in Gradebook ___		

As the temperature increases, particles move \_\_\_\_\_ and move \_\_\_\_\_ (closer or farther apart?)

As the temperature decreases, particles move \_\_\_\_\_ and move \_\_\_\_\_.

**Review:** Remember Last week! This was hard! Try it again. It should get easier.

Look at the back of last week's Calendar for help. Fill in the blanks.

**Everything around us** is defined as \_\_\_\_\_ which is normally found in 3 states, \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_. The Periodic Table shows matter as \_\_\_\_\_, that each have the same type of \_\_\_\_\_. When matter changes in shape, or from one state to another, it is called a \_\_\_\_\_ change. As a substance changes from solid to liquid to gas, the particles move \_\_\_\_\_. To purify by **distillation**, substances are changed from \_\_\_\_\_ to \_\_\_\_\_ and then to \_\_\_\_\_.



Use the Periodic table as a reference to predict the pattern and structure of atoms of elements, by creating models of atoms of specific elements.