

# Periodic Table Basics

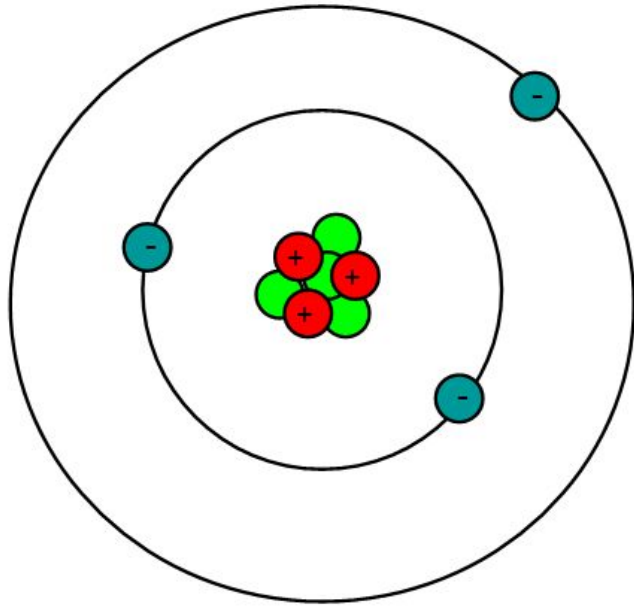
(find a trusted partner)

# Directions

You will:

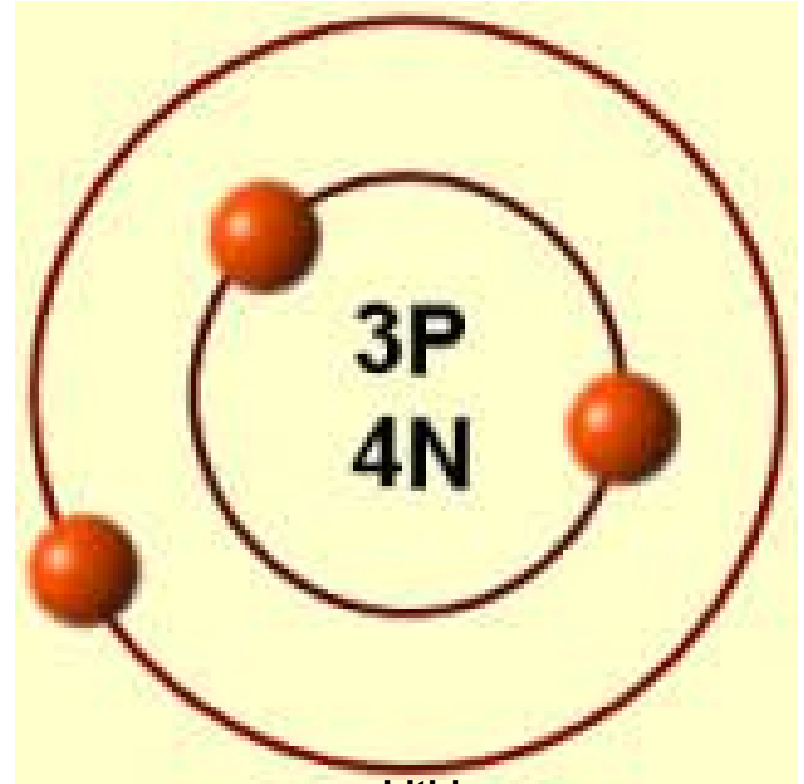
- follow the directions on packet
- fill in all information for each element on the model sheet
- use APEMAN and your labeled Periodic Table
- draw Bohr models for each element
- make sure to color boxes correctly with colored pencils (not markers)

# How to draw your models



Lithium

or



Lithium

# Glue your finished product onto construction paper.

## This will give you more room to label.

Periodic Table Basics

H Hydrogen 1.008 (1)							He Helium 4.003 (2)
Li Lithium 6.941 (3)	Be Beryllium 9.012 (4)	B Boron 10.811 (5)	C Carbon 12.011 (6)	N Nitrogen 14.007 (7)	O Oxygen 15.999 (8)	F Fluorine 18.998 (9)	Ne Neon 20.180 (10)
Na Sodium 22.990 (11)	Mg Magnesium 24.305 (12)	Al Aluminum 26.982 (13)	Si Silicon 28.086 (14)	P Phosphorus 30.974 (15)	S Sulfur 32.065 (16)	Cl Chlorine 35.453 (17)	Ar Argon 39.948 (18)

← Periods (Rows) →

↑ Group (Family) ↓  
up + Down

Period # = # of shells  
Group # = # of valence electrons (outermost shell)

Name \_\_\_\_\_ Class Period \_\_\_\_\_

18 - Noble Gases

Directions

- Label each group and period number ✓
- Write the atomic number, name and mass number for each element
- Label the number of protons, neutrons and electrons
- Bubble in M (Metal), NM (Non-Metal) or Metalloid for each element
- Fill in the Bohr model diagram
- Write down how many valence electrons (VE) are in an atom of the element

1 H Hydrogen 1.008 (1)							2 He Helium 4.003 (2)
2 Li Lithium 6.941 (3)	3 Be Beryllium 9.012 (4)	13 B Boron 10.811 (5)	14 C Carbon 12.011 (6)	15 N Nitrogen 14.007 (7)	16 O Oxygen 15.999 (8)	17 F Fluorine 18.998 (9)	18 Ne Neon 20.180 (10)
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textbook: p.74-75 + Use your labeled periodic table!

QUIZ GRAB

# Reminders:

Don't rush through your work.  
This is a major grade.

Use your labeled Periodic Table  
notes and APEMAN to help with  
this activity.

