

Review Pak #2
What Are We All Made Of?

1. Complete the following sentences.

(a) The columns on a periodic table are called groups.

(b) The rows on a periodic table are called periods.

(c) The periodic table is split into two main categories by a "staircase."

Elements to the left of the staircase are metals and

elements to the right of the staircase are nonmetals.

2. List the properties of metals and nonmetals.

Metals	Nonmetals
Shiny	dull
malleable	brittle
ductile	
good conductors of heat and electricity	poor conductors of heat and electricity.

3. Indicate if each of the following elements is a metal or a nonmetal.

(a) Sodium metal

(b) Calcium metal

(c) Chlorine nonmetal

(d) Potassium metal

(e) Bromine nonmetal.

(f) Uranium metal

4. Indicate the name of the group that each of the following elements is in.

(a) Magnesium alkaline earth metals

(b) Bromine halogens

(c) Krypton noble gasses.

(d) Potassium alkali metals

5. Write the element symbol for each of the following elements.

(a) Carbon C

(b) Calcium Ca

(c) Silver Ag

(d) Tin Sn

6. Write the element name of each of the following symbols.

(a) N nitrogen

(b) Cu copper

(c) W tungsten

(d) Au gold

7. Complete the following table about the particles inside an atom.

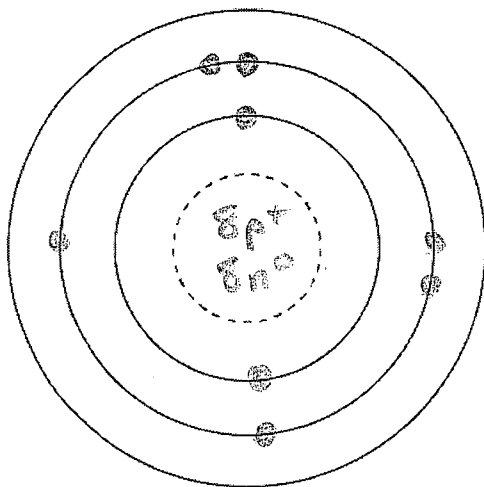
Particle	Symbol	Charge	Location
proton	p^+	+1	nucleus
neutron	n^0	0	nucleus
electron	e^-	-1	area surrounding nucleus

8. Complete the following table.

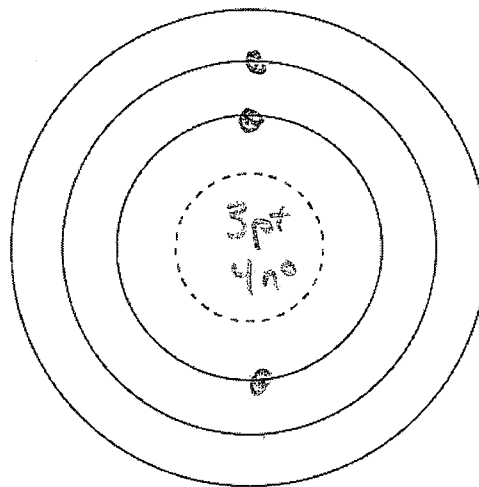
Element	Number of Protons	Number of Neutrons	Number of Electrons
Nickel (Ni)	28	31	28
Aluminum (Al)	13	14	13
Oxygen (O)	8	8	8
Potassium (K)	19	20	19

9. Draw a Bohr diagram for each of the following elements.

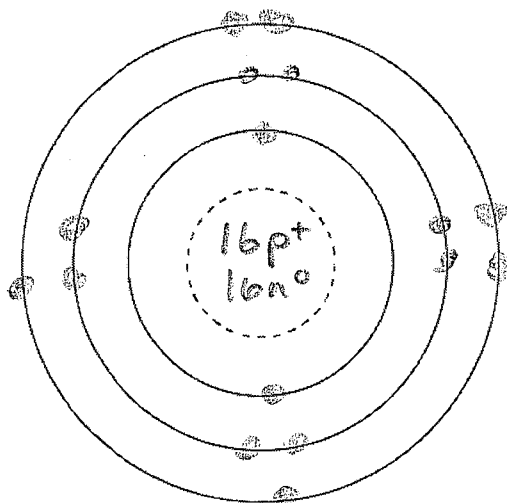
(a) Oxygen



(b) Lithium



(c) Sulfur



(d) Aluminum

