

WORKSHEET

Element, Compound and Mixture

Write the names of the following elements!

H

N

C

O

Mg

Ra

Be

Ni

P

He

Na

Mn

Ag

Cu

Au

Cl

S

Al

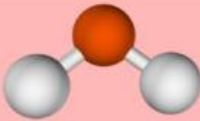
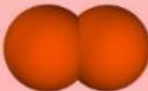
Ca

He

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Identify the type of the following: element, element molecule, or compound molecule.

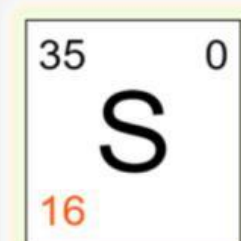
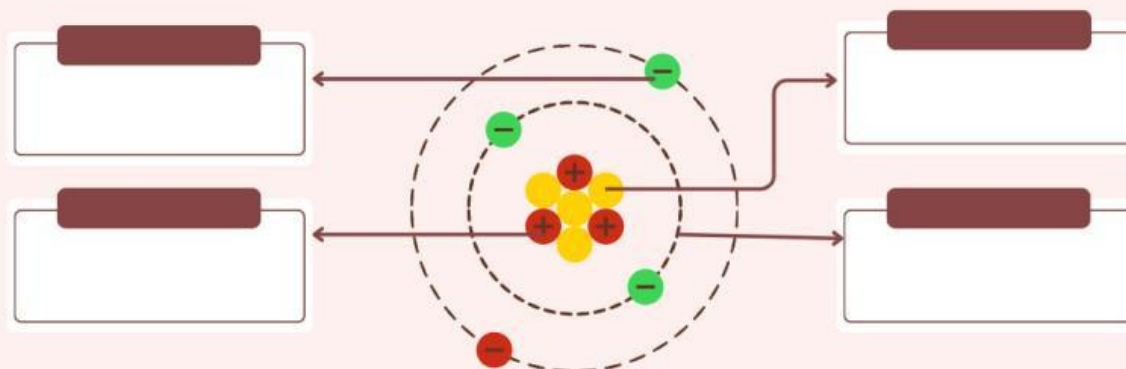
No	Example	Type of element
1		
2		
3		
4		
5		
6		

Determine the group and period of the following elements based on the periodic table!

H																					He
Li	Be											B	C	N	O	F	Ne				
Na	Mg											Al	Si	P	S	Cl	Ar				
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr				
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe				
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn				
Fr	Ra	Ac	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn	Nh	Fl	Mc	Lv	Ts	Og				
			Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu					
			Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr					

No	Element	Group	Period
1	Helium		
2	Calcium		
3	Sulfur		
4	Nitrogen		
5	Xenon		
6	Carbon		

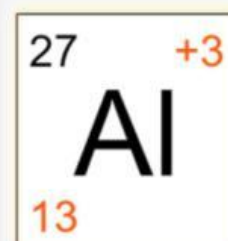
Determine the number of protons, neutrons, and electrons in the following atom!



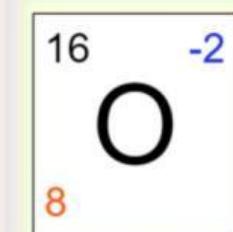
Sulfur

Nomor Atom :
 Nomor Massa :
 Jumlah proton :
 Jumlah neutron :
 Jumlah elektron :

Nomor Atom :
 Nomor Massa :
 Jumlah proton :
 Jumlah neutron :
 Jumlah elektron :



Aluminum



Oxygen

Nomor Atom :
 Nomor Massa :
 Jumlah proton :
 Jumlah neutron :
 Jumlah elektron :

Understanding Three Types of Elements in the Periodic Table

Metal

Non-Metal

Metalloid

Logam:

3 Li Litium	19 K Kalium
28 Ni Nikel	29 Zn Seng

Nonlogam:

7 N Nitrogen	9 F Fluorin
34 Se Selenium	35 Br Bromin

Metalloid:

5 B Boron	14 Si Silikon
1 Sb Antimon	1 Te Telurium

Draw a line to connect the chemical formula to the correct name of the substance or compound!

NaCl

H₂O

NH₃

CO₂

SO₄

CO₃

Carbon dioxide

Sulfat

Salt

Water

Carbonate

Ammonia

Write the names of the following compounds according to the rules of chemical nomenclature!

No	Element	Name of Compound
1	N ₂ O	
2	N ₂ Cl ₄	
3	SO ₃	
4	NaCO ₃	
5	CaSO ₄	

Determine the type of mixture separation that corresponds to the figure!

