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Non-metal

## The Periodic Table Review Worksheet WITH ANSWERS

Name whether the elements below are metals or non-metals:

Non-Metal

Na	F	Ni	Al
Metal	Non-metal	Metal	<mark>Metal</mark>
S	At	U	Si

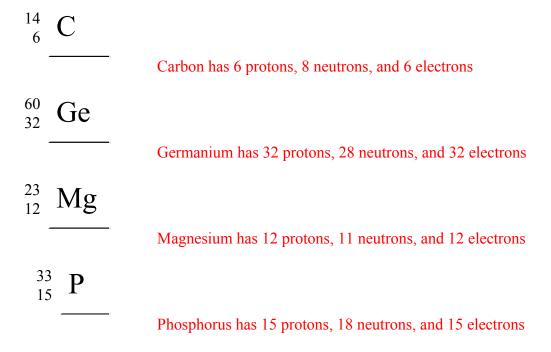
How many protons, neutrons, and electrons do these elements have according to the periodic table?

Metal

Non-metal

Ca	Zn	I	Hg
Prot: 20	Prot: 30	Prot: 53	Prot: 80
Neut: 20	Neut: 35	Neut: 74	Neut: 121
Elec: 20	Elec: 30	Elec: 53	Elec: 80

How many protons, neutrons, and electrons do these elements have given the information near them? The line under each problem is not meant to be there but I cannot display these correctly any other way. Answers are displayed slightly below and to the right.



Give at least one cher Too many answers to	nical symbol for each display them all.	category:			
Transition metals:					
Alkali metals:					
Halogens:					
Alkaline earth metals	:				
Noble gases:					
Metalloids:					
Give the elemental symbols of the third period.					
Na, Mg, Al, Si, P, S,	Cl, Ar				
Give the elemental sy	mbols of the second g	roup.			
Be, Mg, Ca, Sr, Ba, R	<b>Ra</b>				
Write the ions for the elements below and tell how many electrons they have gained or lost.					
Mg	S	Li	N		
Mg <sup>2+</sup> Lost 2 electrons	S <sup>2-</sup> Gained 2 electrons	Li <sup>+</sup> Lost 1 electron	N <sup>3-</sup> Gained 3 electrons		
Give the amount of electron shells for each element.					
C 2	Ar 3	Ba 6	Fe 4		
Write in the amount of valence electrons for each element.					
F 7	Li 1	B 3	O 6		

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Which element below has the LOWEST electronegativity?
Cl, I, F, Br
I
Which element below has the HIGHEST electronegativity?
B, Li, O, C
O
Which element below has the LOWEST electronegativity?
Ca, Al, Cs, N
Cs
Which element below has the HIGHEST ionization energy?
Mg, Al, Na, S
S
Which element below has the LOWEST ionization energy?
Rb, Li, Cs, H
Cs
Which element below has the HIGHEST ionization energy?
Fe, O, Na, Be
O
Which element below has the SMALLEST Atomic Radius?
P, As, N, Sb
N
Which element below has the LARGEST Atomic Radius?
I, Rb, Sr, Te
Rb
Which element below has the SMALLEST Atomic Radius?
Rb, Mg, Cl, As
Cl
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