U2-LM1B-WorkSheet - Periodic Table

1.	The law that states that the properties of the elements are periodic functions of their atomic number is the periodic law .					
2.	Elements in the periodic table are arranged in order of increasing atomic number					
3.	In the periodic table, each horizontal row is referred to as <u>a period</u> On the other hand, each vertical column is called a <u>a group</u> or <u>a family</u> .					
4.	In a <u>a group</u> or <u>a family</u> elements have similar properties.					
5.	The elements of Group IA in the periodic table, except hydrogen, belong to the alkali metals family, while the elements of Group IIA belong to the alkaline earth metals family.					
6.	The following elements: F, Cl, Br, and I belong to the <u>halogen</u> family; they all exist as <u>diatomic</u> molecules in their most stable form.					
7.	The elements in Group 18 (8A) are part of the family.					
	The periodic table is also divided into blocks that include the metals and the non-metals. Metals exist on the Left side of the periodic table. Nonmetals exist on the right side of the periodic table. Except for mercury all metals are solids at room temperature.					
10. The non-metal that is a liquid at room temperature is						
11. The nonmetal that is not a good heat insulator is <u>carbon</u> . - in the form of diamond						
12	Except for <u>carbon</u> nonmetals have poor electrical conductivity. - in the form of graphite					
13	The elements with properties intermediate between metals and nonmetals are known as metalloids or semi-metals . Three elements of this type are B,Si,Ge,As,Sb ,					

	16.	Write	down	the	name	of the	element	t represer	nted	each	symb	ol:
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Al	Aluminum	Au Gold	Ar Argon
Sn	Tin	Si Silicon	Hg Mercury
F	Fluorine	Fe Iron	K Potassium
Br	Bromine	B Boron	Ba Barium
О	Oxygen	P Phosphorous	Xe Xenon
Не	Helium	Mg Magnesium	Mn Manganese

17. Write down the symbol of each of the following elements:

nickel Ni	nitrogen N	lithium Li
silver Ag	lead Pb	antimony Sb
selenium Se	tungsten W	rubidium Rb
strontium Sr	neon Ne	sodium Na
sulfur S	zinc Zn	arsenic As

18. Under the name of each element, write its symbol:

Calcium, carbon, copper, chromium, cobalt, chlorine, cesium, cadmium

Ca

C

Cu

Cr

Co

Cl

Cs

Cd

19. There are seven elements that exist in nature as diatomic molecules. Please list them here with their elemental name and in symbolic form.

Hydrogen H₂, Nitrogen N₂, Oxygen O₂, Fluorine F₂, Chlorine Cl₂, Bromine Br₂, Iodine I₂