

**TOPIC: "The Periodic Table and Periodic Properties"**  
**QUESTIONS**

A									
B	E		G	H		K	M		
C	F				J	L			
D									

Select the correct answers (more than one answer could be correct)

<b>1</b>	<b>These elements are alkaline earth</b>			
<input type="checkbox"/> B	<input type="checkbox"/> D	<input checked="" type="checkbox"/> F	<input type="checkbox"/> H	<input checked="" type="checkbox"/> E

<b>2</b>	<b>These elements are halogens</b>			
<input type="checkbox"/> M	<input type="checkbox"/> K	<input type="checkbox"/> L	<input type="checkbox"/> G	<input type="checkbox"/> H

<b>3</b>	<b>These elements are metals</b>			
<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> D	<input type="checkbox"/> J	<input type="checkbox"/> L

<b>4</b>	<b>These elements are from group 16</b>			
<input type="checkbox"/> G	<input type="checkbox"/> H	<input type="checkbox"/> J	<input type="checkbox"/> K	<input type="checkbox"/> L

<b>5</b>	<b>These elements are from group <math>s^2p^2</math></b>			
<input type="checkbox"/> E	<input type="checkbox"/> F	<input type="checkbox"/> G	<input type="checkbox"/> H	<input type="checkbox"/> K

<b>6</b>	<b>These elements have more than two unpaired electrons in their ground state</b>			
<input type="checkbox"/> H	<input type="checkbox"/> J	<input type="checkbox"/> L	<input type="checkbox"/> K	<input type="checkbox"/> M

<b>7</b>	<b>These elements tend to form cations</b>			
<input type="checkbox"/> E	<input type="checkbox"/> F	<input type="checkbox"/> C	<input type="checkbox"/> K	<input type="checkbox"/> M

<b>8</b>	<b>These elements tend to form anions</b>			
<input type="checkbox"/> B	<input type="checkbox"/> G	<input type="checkbox"/> H	<input type="checkbox"/> L	<input type="checkbox"/> M

<b>9</b>	<b>These elements tend to lose two electrons</b>			
<input type="checkbox"/> F	<input type="checkbox"/> D	<input type="checkbox"/> J	<input type="checkbox"/> L	<input type="checkbox"/> M

<b>10</b>	<b>These elements tend to gain two electrons</b>			
<input type="checkbox"/> E	<input type="checkbox"/> J	<input type="checkbox"/> L	<input type="checkbox"/> K	<input type="checkbox"/> M

A						
B	E		G	H		K
C	F				J	L
D						

**11 | The effective nuclear charge of these elements is 2**  
 A       B       F       L       M

**12 | The outer electrons of these elements "feel" the effect of more than 5 protons**  
 M       F       L       H       D

**13 | The outer electrons are found at level n=3**  
 B       C       F       H       K

**14 | In these elements there are 4 outer electrons**  
 D       G       H       K       M

**15 | The effective nuclear charge of these elements is 1**  
 A       B       M       K       J

**16 | The effective nuclear charge of these elements is similar to that of "K"**  
 C       L       M       J       G

**17 | The effective nuclear charge of these elements is bigger than that of "K"**  
 L       H       M       E       D

**18 | The effective nuclear charge of these elements is 5**  
 G       H       J       K       M

**19 | In these elements there is only one electron unpaired (ground state)**  
 D       F       M       K       H

**20 | In these elements all the electrons are paired (ground state)**  
 J       L       H       F       B

A					
B	E		G	H	
C	F				K
D					L

**21** The sizes of these atoms are larger than the size of "G"  
 M       F       K       D       H

**22** The sizes of these elements are smaller than the size of "L"  
 D       K       J       G       M

**23** The sizes of these elements are larger than the size of "C"  
 B       E       D       M       J

**24** The sizes of these elements are larger than the size of "K"  
 H       G       F       M       C

**25** The sizes of these elements are between the sizes of "K" and "G"  
 B       C       D       H       M

**26** The metallic behavior of these elements are bigger than that of "F"  
 D       C       E       K       M

**27** The metallic behavior of these elements is smaller than that of "L"  
 J       F       K       D       M

**28** The metallic behavior of these elements is bigger than that of "C"  
 F       L       D       M       K

**29** The metallic behavior of these elements is smaller than that of "K"  
 L       M       D       B       A

**30** The metallic behavior of these elements is bigger than that of "M"  
 D       C       J       L       K

A					
B	E		G	H	
C	F				K
D				J	L

**31** The first ionization energy of these elements are smaller than the second ionization energy

D       C       F       G       M

**32** The size of these elements are bigger than the size of their cations

D       C       F       E       B

**33** The size of these elements are bigger than the size of their anions

A       K       L       M       J

**34** The first ionization energy of these elements are bigger than that of "H"

D       C       K       M       E

**35** The first ionization energy of these elements are smaller than that of "F"

D       C       J       K       M

**36** The electronegativity of these elements is 4 or bigger

D       C       H       L       M

**37** The electronegativity of these elements are less than 1.5

D       L       K       M       H

**38** The electronegativity of these elements are bigger than that of "J"

C       F       L       K       M

**39** The electronegativity of these elements is 2.1

D       C       A       M       K

**40** The electronegativity of these elements are smaller than that of "F"

D       C       G       H       K