TOPICAL TEST 1 #01 - T14.2

Atomic structure and the Periodic table

1 Define the term 'atom'?

.....

.....

2 State the subatomic particles in an atom.

.....

.....

.....

3 State the charges, relative masses the location of the subatomic particles in the atom.

Subatomic particles	charges	Relative mass	Location in the atom
PROTON			
			IN THE ELECTRON SHELL
	0		

4 Define the term Proton number / atomic mass number

.....

.....

5 Define the term Nucleon number / mass number

.....

.....

6 What does this symbols and numbers represents?

5
B
11

5 =.....

B =.....

11 =.....

LIVEWORKSHEETS

7 State the number of sub-particles in the following elements:

5 **B** 11	No. of Proton = ... No. of Electron = ... No. of Neutron =.....	35 **Br** 80	No. of Proton = ... No. of Electron = ... No. of Neutron =.....
17 **Cl** 35.5	No. of Proton = ... No. of Electron = ... No. of Neutron =.....	33 **As** 75	No. of Proton = ... No. of Electron = ... No. of Neutron =.....
19 **K** 39	No. of Proton = ... No. of Electron = ... No. of Neutron =.....	55 **Cs** 133	No. of Proton = ... No. of Electron = ... No. of Neutron =.....
13 **Al** 27	No. of Proton = ... No. of Electron = ... No. of Neutron =.....	12 **Mg** 24	No. of Proton = ... No. of Electron = ... No. of Neutron =.....
14 **Si** 28	No. of Proton = ... No. of Electron = ... No. of Neutron =.....	36 **Kr** 84	No. of Proton = ... No. of Electron = ... No. of Neutron =.....

LIVEWORKSHEETS

8 Write the electronic structure for the following elements:

1. $^{12}_{24}Mg$ = ...

2. $^{9}_{19}F$ = ...

3. $^{19}_{39}K$ = ...

4. $^{14}_{28}Si$ = ...

5. $^{17}_{35.5}Cl$ = ...

6. $^{3}_{7}Li$ = ...

7. $^{20}_{40}Ca$ = ...

8. $^{7}_{14}N$ = ...

9. $^{6}_{12}C$ = ...

LIVEWORKSHEETS

LIVEWORKSHEETS