

PROJECT WORK- 6**WHAT IS INSIDE THE ATOM ?**

Some items to be given as project work for class-09 students.

They can do any one of the following. The report should be in at least two A4 pages.

1. Collect information about various experiments conducted and theories proposed by scientists starting from John Dalton to Niels Bohr and prepare a story with a title "History of atom".

Or with another suitable title.

2. Fill the blanks in the table with correct information.

Name	Symbol	Atomic number (Z)	Atomic mass number (A)	Number of neutrons (N)	Number of electrons (n_e)
Oxygen	$^{16}\text{O}_8$	8	16	8	8
		7			
	$^{34}\text{S}_{16}$				
Beryllium			9		
		12	24		
		12	25		
Argon		18		22	
				20	20
Uranium	^{235}U				92
	Pb_{82}		206		

3. Collect the information about Isobars, Isotopes and Isotones. List out the applications of different Isotopes or Isobars or Isotones in various fields.

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