

ATOMS VS IONS WORKSHEET

Complete the table with the appropriate information.

Atom/ion	Atomic Number	Number of Protons	Number of Electrons	Number of Neutrons	Mass Number
Li					
Li ⁺					
F					
F ⁻					
Na					
Na ⁺					
Be					
Be ²⁺					
B					
B ³⁺					
N					
N ³⁻					
O					
O ²⁻					
S					
S ²⁻					
Cl					
Cl ⁻					

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Answers

Atom/ion	Atomic Number	Number of Protons	Number of Electrons	Number of Neutrons	Mass Number
Li	3	3	3	4	7
Li ⁺	3	3	2	4	7
F	9	9	9	10	19
F ⁻	9	9	10	10	19
Na	11	11	11	12	23
Na ⁺	11	11	10	12	23
Be	4	4	4	5	9
Be ²⁺	4	4	2	5	9
B	5	5	5	6	11
B ³⁺	5	5	2	6	11
N	7	7	7	7	14
N ³⁻	7	7	10	7	14
O	8	8	8	8	16
O ²⁻	8	8	10	8	16
S	16	16	16	16	32
S ²⁻	16	16	18	16	32
Cl	17	17	17	18	35
Cl ⁻	17	17	18	18	35