

Atoms vs Ions Worksheet

Complete the table with the correct information.

Atom/Ion	Atomic Number	Number of Protons	Number of Electrons	Number of Neutrons	Mass Number
Mg					
Mg ²⁺					
Al					
Al ³⁺					
I					
I ⁻					
Ag					
Ag ⁺					
H					
H ⁺					
Sn					
Sn ²⁺					
As					
As ³⁺					
P					
P ³⁻					
Br					
Br ⁻					
Hg					
Hg ⁺					

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Answers

Atom/Ion	Atomic Number	Number of Protons	Number of Electrons	Number of Neutrons	Mass Number
Mg	12	12	12	12	24
Mg ²⁺	12	12	10	12	24
Al	13	13	13	14	27
Al ³⁺	13	13	10	14	27
I	53	53	53	74	127
I ⁻	53	53	54	74	127
Ag	47	47	47	61	108
Ag ⁺	47	47	46	61	108
H	1	1	1	0	1
H ⁺	1	1	0	0	1
Sn	50	50	50	69	119
Sn ²⁺	50	50	48	69	119
As	33	33	33	42	75
As ³⁺	33	33	30	42	75
P	15	15	15	16	31
P ³⁻	15	15	18	16	31
Br	35	35	35	45	80
Br ⁻	35	35	36	45	80
Hg	80	80	80	121	201
Hg ⁺	80	80	79	121	201