

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
Si					
Si ⁴⁺					
Ca					
Ca ²⁺					
Fe					
Fe ²⁺					
Fe ³⁺					
Cu					
Cu ²⁺					
Zn					
Zn ²⁺					
Se					
Se ²⁻					
Ba					
Ba ²⁺					
Cl					
Cl ⁻					

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Answers

Atom/Ion	Atomic Number	Number of Protons	Number of Electrons	Number of Neutrons	Mass Number
Si	14	14	14	14	28
Si ⁴⁺	14	14	10	14	28
Ca	20	20	20	20	40
Ca ²⁺	20	20	18	20	40
Fe	26	26	26	30	56
Fe ²⁺	26	26	24	30	56
Fe ³⁺	26	26	23	30	56
Cu	29	29	29	35	64
Cu ²⁺	29	29	27	35	64
Zn	30	30	30	35	65
Zn ²⁺	30	30	28	35	65
Se	34	34	34	45	79
Se ²⁻	34	34	32	45	79
Ba	56	56	56	81	137
Ba ²⁺	56	56	54	81	137
Cl	17	17	17	18	35
Cl ⁻	17	17	18	18	35