

Atomic Comp. Answers

February 6, 2020 11:17 AM

$$\# n^0 = \text{atomic mass} - \text{atomic number}$$

Atomic Composition

1. Complete the chart

Name _____
Date _____

round to nearest whole #

must be calculated

	Symbol	Atomic Number	Atomic Mass	p ⁺	n ⁰	e ⁻	charge (of ion)
a)	²³¹ Ra	88	231	88	143	88	0
→ b)	²¹² ₈₄ Po	84	212	84	128	84	0
c)	³⁵ ₁₇ Cl	17	35	17	18	17	0
→ d)	⁷³ ₃₅ Br	35	73	35	38	35	0
e)	⁸⁵ ₄₀ Zr	40	85	40	45	40	0
f)	¹⁰⁷ ₄₇ Ag	47	107	47	60	47	0
→ g)	⁶⁶ ₂₉ Cu ²⁺	29	66	29	37	27	2+
h)	¹⁸ ₉ F ⁻	9	18	9	9	10	1-
i)	¹²⁷ ₅₃ I	53	127	53	74	54	1-
j)	³⁶ ₁₇ Cl ⁻	17	36	17	19	18	1-
k)	²⁷ ₁₃ Al ³⁺	13	27	13	14	10	+3
→ l)	³³ ₁₅ P ³⁻	15	33	15	18	18	-3
m)	⁵³ ₂₄ Cr ³⁺	24	53	24	29	21	+3
n)	⁵³ ₂₅ Mn	25	53	25	28	25	0
o)	⁴⁰ ₂₂ Ti ²⁺	22	40	22	18	20	+2
p)	¹⁵⁰ ₆₇ Ho ⁴⁺	67	150	67	83	63	+4
q)	⁹⁶ Cm	96	211	96	115	93	+3
r)	⁹² M ⁶⁺	92	240	92	148	86	+6

↓
Standard atomic notation