

Directions: Read the passage below and answer the question(s) that follow.

Fictional Periodic Table Polyatomic ions
Ionic and Covalent Naming

**You will use the rules for naming and writing formulas with the following
periodic table and polyatomic ion chart**

1 H hiderium 1.155	2 Du Duust 4.300																
3 Bz Bazoolium 6.842	4 Ju Jumbonium 9.211																
11 Ax Axonium 22.990	12 Fz Phazon 24.506																
19 DI Dilithium 39.710	20 BI Bolcium 41.354	21 Nd Necrodermis 44.956	22 Mt Metatron 46.188	23 Vi Vibranium 46.911	24 Cr Chromium 51.996	25 Ms Moonsilver 54.938	26 Tx Trioxin 55.847	27 Cw Clownium 57.333	28 Nv Nvidium 58.177	29 Ss Soulsteel 63.546	30 He Helion 66.566	31 G Galvorn 68.072	32 Go Gorium 71.669	33 A Adamantium 74.922	34 St Slothium 78.06	35 Bt Bathorium 80.388	36 Kf Krafton 83.080
37 Cb Corbomium 84.158	38 Di Diamondium 87.62	39 Nc Necrogen 88.217	40 Tb Tiberium 90.022	41 U Uridium 92.906	42 Ub Unobitanium 95.94	43 Bb Bombastium 98.743	44 Rs Redstone 101.998	45 Rd Randomonium 102.91	46 Et Eternium 106.4	47 Bn Blingdium 109.999	48 Db Dragonbane 112.41	49 Id Idolium 114.82	50 Sn Sinisium 118.69	51 Jo Jouronium 120.757	52 Tm Timonium 127.600	53 Io Ionium 126.90	54 Z Zunium 131.30
55 Ch Chronoton 132.934	56 Cp Capsidium 135.333		72 Wa Warpstone 179.49	73 Bz Byzantium 180.95	74 Sm Starmetal 183.85	75 Mc Magicon 185.21	76 Or Oricalcum 190.2	77 If Internium 192.22	78 Pm Possium 195.09	79 Tg Tigerium 196.97	80 Kg Kingen 200.59	81 Tm Targanium 204.37	82 Ps Psitanium 206.244	83 Bd Bendezium 208.122	84 Ph Phason 209.555	85 Sw Schwartz (210)	86 It Inerton (222)

Fictional Polyatomic Ion Chart

-1 ion		-2 ion		-3 ion	
Formula	name	Formula	name	Formula	name
PO ₂ ⁻¹	Poopite	SO ₃ ⁻²	Solarite	NO ₃ ⁻³	Nuclite
PO ₃ ⁻¹	Poopate	SO ₄ ⁻²	Solarate	NO ₄ ⁻³	Nuclate
CcO ₂ ⁻¹	Calculite	CO ₄ ⁻²	chorzate		
CcO ₃ ⁻¹	Calculate	StO ₂ ⁻²	slothite		

1 What is the ion (charge) that group 1 and group 15 form?

- A. group 1: -1
group 15: +5
- B. group 1: +1
group 15: -3
- C. group 1: -1
group 15: +3
- D. group 1: +1
group 15: -5

2 Based on their position of the Periodic Table of elements what is the formula for the compound that forms between Nucleon (N) and Capsidium (Cp)

- A. N₃Cp₂
- B. N₂Cp₃
- C. Cp₃N₂
- D. Cp₂N₃

Directions: Answer the following question(s) relating to the passage titled "Fictional Periodic Table Polyatomic ions".

- 3 What is the formula for the following ionic compound: Jumbonium Chrozide
- A. JuC
B. Ju_4C_2
C. Ju_2C
D. Ju_2C_4
- 4 What is the name of the following ionic compound: Fz(PO_3)₂
- 5 What is the name for the following covalent compound: Su_2Cc_6
- 6 What is the name for the following ionic compound: $\text{Af}_2(\text{StO}_2)_3$
- A. Afraidium Slothium Onionium
B. Afraidium Slothite
C. Diafraidium Trislothite
D. Afaraidium (II) Slothite
E. Afaraidium (III) Slothite
F. Afraidium Slothium Onionide
- 7 What is the chemical formula for the following ionic compound: Vibranium (IV) Slothite
- 8 What is the formula for the following covalent compound: Trisolarium Nonaenergon
- 9 What is the chemcial formula for the following ionic compound: Jumbonium Poopate
- A. JuP
B. JuPO_3
C. $\text{Ju}(\text{PO}_3)_2$
D. Ju_2P_3
E. Ju_3P_2