

Danaial Ansan : Attempt 1

Question 1

A ionic lattice is formed when ionic bonds are formed.

Question 5

~~Cations~~ ^{are} positively charged electrons

Question 6

Anions are mostly negatively charged / non-metals.

Question 7

Atoms ~~bonds~~ ^{bond} through ionic bonding and covalent bonding in order to satisfy octet rule

Question 9

When Cerium becomes an ion, it is isoelectric with Xeon.

Question 10

Nonpolar covalent bonding occurs when the electronegativity difference between the two atoms is Zero

Elements	ionic, non-polar covalent or polar covalent	Diagram showing transfer of shared pairs of electrons	Stick or ion Diagram	Formula
phosphorus and phosphorus	non-polar covalent	$\begin{array}{c} P :: P :: P \\ :: \\ P \end{array}$	$\begin{array}{c} P = P = P \\ \\ P \end{array}$	P_3
Nitrogen Sodium and Oxygen ~~10 dots~~ ~~electron~~	covalent bond		$[Na]^+ [O]^{2-}$	Na_2O
~~Sulfur~~ ~~and~~ Oxygen Nitrogen and iodine	ionic Bond			NI_3