

FYGS CHEM P2 Sem 2

Question	Option1	Option2	Option3	Option4
The relation between pH & pOH is given by _____.	$\text{pH} + \text{pOH} = 7$	$\text{pH} + \text{pOH} = 14$	$\text{pH} - \text{pOH} = 14$	$\text{pH} - \text{pOH} = 7$
The pH of a solution is defined as _____	Hydrogen ion concentration of the solution	Logarithm of it's hydrogen ion concentration	Negative logarithm of the reciprocal of its hydrogen ion concentration	Negative logarithm of it's hydrogen ion concentration
Frequency is expressed in the terms of _____.	per meter	nanometer	meter	hertz
The study of fluorescent intensity as a function of the concentration of absorbing species is known as _____.	phosphorescence	turbidimetry	nephelometry	fluorimetry
The branch of science which deals with geometry, properties and structure of crystals and crystalline substances is called _____.	crystallography	anisotropy	geometry	plane of symmetry
Lone pairs of electrons in a molecule occupies _____ space as compared to the bonding pairs.	equal	less	more	no
Ionic compounds are _____ in solid state	good conductors	bad conductors	unstable	paramagnetic
An oxidizing agent is a substance which brings about _____	electron donation	oxidation	reduction	hydrolysis
The normal pH range of natural water is between _____	4 & 9	1 & 4	10 & 14	9 & 14
The oxidation number of N in HNO_3 is _____	1	2	4	5
Cycloalkanes are associated with the general formula called _____	$\text{C}_n\text{H}_{2n+2}$	$\text{C}_n\text{H}_{2(n+2)}$	$\text{C}_n\text{H}_{2n+1-r}$	C_nH_{2n}
When a cyclohexane ring flips, equatorial groups	become axial	remain equatorial	are removed from the ring	move to the adjacent carbon
The cyclohexane molecule is	flat	chair shaped	is a five membered ring	acyclic
Chloro, bromo groups are _____	activating, o- and p-directing groups	deactivating, o- and p-directing groups	deactivating, m-directing groups	deactivating, p-directing groups
Each ring atom in an aromatic compound contains	two hydrogen atoms	a p orbital	an sp^3 orbital	at least three p orbitals