

L1 Biochemistry: 20 Questions

Q1

What is the process of protein formation, from DNA?

Q2

Define atomic orbital

Q3

The plane between the 2 nodes of a p-orbital

Q4

When 2 out of phase waves are added together, what happens?

Q5

Bonding leads to what electron configuration?

Q6

Define covalent bond

Q7

Describe the structure of methane

Q8

Why does carbon have 2 types of C-H bond?

Q9

sp^3 orbital features

Q10

which elements can form sp^3 orbitals?

Q11

hybridised orbitals are formed of...

Q12

molecular orbitals are formed of

Q13

what shape do sp^3 orbitals always take

Q14

what type of bond forms from the overlap of orbitals along the nuclear plane

Q15

t/f: hybridised orbitals form from the combination of individual orbitals

Q16

t/f: number of orbitals is not maintained during hybridisation

Q17

t/f: bonds with pure atomic orbitals are more stable than hybridised bonds

Q18

define ionic bond

Q19

how many covalent bonds does carbon form

Q20

how many unpaired electrons does carbon have in its' ground state?