

Biology Question	
1	What are the 4 bases in DNA?
2	What bonds hold the DNA structure together?
3	What is the name for the structure of DNA?
4	Where on an enzyme does the substrate bind?
5	What is meant by optimum temperature in an enzyme rate of reaction?
6	What happened to the enzyme if the temperature increases above optimum?
7	How many daughter cells in meiosis?
8	What is a gamete?
9	What does 'potable' water mean?
10	Name an abiotic factor.
11	What factors can effect the rate of reaction of an enzyme
12	What is starch broken down into?
13	What is protein broken down into?
14	What are lipids broken down into?
15	Which enzymes break down protein?

Chemistry Question	
	What is the colour of phenolphthalein in a) acid b) alkali
	What is the colour of litmus in a) acid b) alkali
	What is the colour of methyl orange in a) acid b) alkali
	What is the formula of magnesium chloride? Ion charges: Mg^{2+} , Cl^{-}
	How do you calculate the number of moles, when given the mass (in grams)?
	What electrode are the following attracted to? a) Cations, b) Anions
	What is a Hydrocarbon?
	What is the general formula for the Alkanes?
	What name is given to a 'family' of compounds?
	What is the formula for Hydrochloric Acid?
	What is the formula for Sulphuric Acid?
	What is the formula for Nitric Acid?
	What is a precipitate?
	How do you calculate an R _F value in chromatography?
	Oxidation is of electrons, Reduction is of electrons

Physics Question	
	What is the unit for current?
	What is the unit for weight?
	What is the unit for spring constant?
	What is the equation to calculate speed?
	What is the equation to calculate acceleration?
	What is the equation to calculate Weight?
	How does current behave in series and parallel?
	What is the definition of frequency and its units
	How do you find the distance travelled from a velocity time graph?
	What is the unit for potential difference?
	What is the equation for density?
	What is the unit for density?
	What is the unit for power?
	What do work done and energy transferred have in common?
	What is the unit for charge?

Biology Question	
16	Which enzyme breaks down starch?
17	Which enzyme breaks down lipids?
18	What is an allele?
19	What is the name for the genotype when the alleles are the same?
20	What is the name for the genotype when the alleles are different?
21	What is binomial name?
22	What are the components of a nucleotide?
23	How many hydrogen bonds are between guanine and cytosine?
24	How many hydrogen bonds are between adenine and thymine?
25	Name the three domains in the three-domain system.
26	What are the important trends of evolution?
27	What are the 6 steps of Darwin's theory of evolution by natural selection?
28	Name the type of cell division which produces genetically identical cells.
29	How many chromosomes are there in a human diploid cell?
30	What is the purpose of mitosis?

Chemistry Question	
	In electrolysis, oxidation occurs at the
	In electrolysis, reduction occurs at the
	A cation is a
	An anion is a
	What is the general word equation for a neutralisation reaction?
	Why are atoms neutral?
	During ionic bonding, electrons are
	During covalent bonding, electrons are
	An ionic bond is the ...
	A covalent bond is ...
	Relative molecular mass of water (H ₂ O)
	What is the Group and Period of a Sodium atom, from the Periodic Table
	How many protons, neutrons and electrons does an atom of Sodium
	What 4 key words can be used to describe the production of a pure, dry sample of a soluble salt using an

Physics Question	
	What is current?
	How is potential energy calculated?
	What is the gravitational field strength on earth?
	How do you find the speed travelled from a distance time graph?
	How do you find the acceleration from a velocity time graph?
	*What is the equation for momentum?
	How do you convert from minutes to seconds?
	How do you convert km into m?
	How do you convert from mm to m?
	How do you convert from MW to W?
	How do you convert from hours to seconds?
	How do you convert from nm to m?
	What is the unit for mass?
	What is the equation for pressure?
	What is the unit for pressure?