

CHAPTER 9 CHEMISTRY ANSWERS

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What is the name of Chapter 9 of Class 12 chemistry? Important Questions for Class 12 Chemistry Chapter 9 - Coordination Compounds.

What is coordination compound class 12? A coordination compound is a chemical complex in which a central atom is linked to a collection of anions or neutral molecules via covalent coordinate bonds. Coordination compounds and coordination complexes are both terms that describe the same thing.

What is ligand class 12 NCERT solution? The ligands are the atoms or groups of atoms bound to the central metal atom / ion. The atom in a ligand that is bound directly to the central metal atom is known as donor atom. For e.g, In $K_4[Fe(CN)_6]$ the ligand is CN^- ion but the donor atom is carbon. | Class 12 CHEMISTRY COORDINATION COMPOUNDS.

What is en in coordination compounds? Ethylenediamine (abbreviated as en when a ligand) is the organic compound with the formula $C_2H_4(NH_2)_2$.

Which is the hardest chapter in Grade 12 chemistry?

What is chemistry 9? Chemistry is the science that tries to understand the properties of substances and the changes that substances undergo. Class 9 Chemistry concepts deal with the understanding of basic constituents of matter, atoms and molecules.

What is ligand in chemistry class 12? Ligands are ions or neutral molecules that bond to a central metal atom or ion. Ligands act as Lewis bases (electron pair donors), and the central atom acts as a Lewis acid (electron pair acceptor).

What is double salt class 12? A double salt is a crystalline salt made up of two simple salts but with a crystal structure that isn't the same as either of them. Because anions and cations are present in all salts, a double salt has more than one cation or anion.

Is coordination compound easy? The topic of 'Nomenclature of Coordination Compounds' is often considered one of the easiest sections in JEE Main chemistry. This topic primarily deals with naming coordination compounds following specific rules, making it relatively straightforward to understand and apply.

What are all neutral ligands Class 12?

What is EDTA class 12? EDTA, or Ethylenediaminetetraacetic acid, is made up of two amino groups and four carboxyl groups known as Lewis bases. It has a chemical formula $C_{10}H_{16}N_2O_8$.

What is denticity Class 12 chemistry? What is the meaning of denticity of ligands? The denticity of the ligand is defined as the number of pairs of electrons shared with the metal atom or ion. Ligands can be classified as monodentate and polydentate ligands depending upon the number of ligand donor atoms that attach to the metal atom or ion.

What is the crystal field theory Class 12? Crystal field theory was proposed which described the metal-ligand bond as an ionic bond arising purely from the electrostatic interactions between the metal ions and ligands. Crystal field theory considers anions as point charges and neutral molecules as dipoles.

What is central metal atom class 12? The metal atom to which the ligands bind is called the central atom. The metal ion to which the ligands bind is called the central ion. Example: in $K_3[Fe(CN)_6]$, the central ion is Fe^{3+} . These central atoms and central ions act as acceptors of the electron pair, i.e., as Lewis acids.

What is the Werner theory Class 12? Werner's theory's important postulates are as follows: The central metal or metal atoms in coordination compounds have two forms of valency which are primary valency and secondary valency. The oxidation state corresponds to the primary valency, while the coordinate number corresponds to the secondary valency.

Is Chem 12 hard? In the spectrum of Grade 12 science courses, chemistry often stands out due to its complex concepts and the analytical skills it demands. Students typically find it challenging due to the combination of theoretical understanding and practical application that is more pronounced than in some other science courses.

Which is the easiest chapter in chemistry? The easiest chapter in chemistry class 11 are - Some basic concepts of chemistry, structure of atom, s block, hydrogen, everyday chemistry, Hydrocarbon and GOC.

Which is hardest in chemistry?

How do you get 9 in chemistry? To get a 9 in GCSE Chemistry, you need to have a strong understanding of the subject, including a wide range of concepts, theories, and practical skills. You also need to be able to apply your knowledge to a variety of different scenarios and questions, and be able to analyze and interpret complex data and information.

Who invented chemistry? Lavoisier has been considered by many scholars to be the "father of chemistry". Chemists continued to discover new compounds in the 1800s.

What is matter in chemistry 9? Anything that has mass and occupies space is called matter. A matter is made up of tiny particles called atoms. There are three states of matter. Solid, liquid, and gas.

What is the name of Chapter 9 of Class 12 biology?

What is the name of the chapter 12 chapter in chemistry? NCERT Solutions for Class 12 Chemistry Chapter 12 Aldehydes, Ketones and Carboxylic Acids.

What is the name of Chapter 10 of 12th chemistry? NCERT Solutions Class 12 Chemistry Chapter 10 Haloalkanes and Haloarenes.

Which chapter is stereochemistry class 12? Class 12 Chapter 16: Stereochemistry | Optical Isomerism | RBSE Chemistry Part-2 - YouTube.

How do you get an A * in IGCSE biology?

How to get a 9 in IGCSE biology? Build your biology vocabulary to understand the subject's terms. Recognising and improving your weaknesses is crucial. Taking notes in class, revising often, and practising with as many past papers as possible are all tips for getting the highest grades.

Is biology IGCSE difficult? IGCSE Biology, in the IGCSE curriculum, is identified as a challenging subject due to its extensive content and the depth of understanding it requires.

What is the difference between 0970 and 0610 in biology? The difference is in the grading, 0970 being 9-1 and 0610 being A*-G, otherwise the syllabus is identical.

Is 80% an A in IGCSE? A (80-89%): Excellent performance. B (70-79%): Good performance. C (60-69%): Satisfactory performance. D (50-59%): Fair performance.

Is 7 an A in IGCSE? Universities equate A to a grade 7, as the grade thresholds are identical. For highly-competitive courses, some International university admissions offices state that they would expect successful applicants to have As and A*s at IGCSE. Under the 9-1 grading system, 7, 8 and 9 would be seen as equivalent.

What is 90% in IGCSE? The grading system in IGCSE is based on a scale from A* to G, with A* representing the highest level of achievement. Scoring 90 percent corresponds to achieving an A* grade, which is an outstanding accomplishment.

Is it hard to get all 9s in IGCSE? Getting a grade 9 at GCSE level in one subject is an incredible achievement but to do so in all subjects is something else! In 2023 this was achieved by 0.02 per cent of students in the UK (Gov.uk), roughly four students in every average-sized school.

How many people get all 9s in IGCSE? This year, 2,193 students achieved all grade 9s. This is a 40 per cent drop from last year – when a staggering 3,606 students got the full flush. In 2020, 2,645 achieved straight 9s.

What's the hardest IGCSE? Which Subject Is Hardest In IGCSE? The hardest subject in IGCSE can vary from person to person based on individual strengths and interests. However, subjects like Mathematics, Physics, and Chemistry are often considered more challenging due to their complex concepts and problem-solving

requirements.

What is the easiest subject in IGCSE? 1 - Art & Design IGCSE Art & Design is often regarded as one of the easier subjects due to its creative nature and subjective assessment criteria. Students have the freedom to explore various art forms and design concepts, allowing them to express their ideas and perspectives uniquely.

Which is the hardest question in biology?

What is the highest rank in biology? Domain. The domain is the highest rank in biological classification. There are three domains—Archaea, Bacteria, and Eukarya. The Archaea and the Bacteria each contain prokaryotes (single-celled organisms that lack a true nucleus) but differ in structural, genetic, and biochemical characteristics.

Is there a practical in IGCSE biology? There are 9 core practicals in the biology section of International GCSE Combined Science. International GCSE Biology covers the same 9 practicals as well as an additional 5, to make up 14 core practicals in total.

What is the highest Honour in biology? The International Prize for Biology (??????, Kokusai Seibutsugaku-sh?) is an annual award for "outstanding contribution to the advancement of research in fundamental biology." The Prize, although it is not always awarded to a biologist, is one of the most prestigious honours a natural scientist can receive.

How do you get an A * in GCSE Biology?

Is it hard to get an A * in A-level Biology? LEARN Your Mark Scheme. Biology is a hard A-Level subject despite its soaring popularity. Do you know that only 12.8% achieved an A*, and just 21% received an A? Let's compare that to the most popular A-Level subject of 2022: Maths.

What is an A * in IGCSE?

How hard is it to get an A star in IGCSE? As you can see, getting an A grade or higher for IGCSE English as a First Language can be a bit tough, but it is not impossible. If you understand the paper format, work on your reading techniques and

writing skills, and practice as many past papers as you can, that “A” might be closer than you think.

What is a simple network management protocol SNMP? Simple Network Management Protocol (SNMP) is an application-layer protocol for monitoring and managing network devices on a local area network (LAN) or wide area network (WAN).

What are the 3 key components of an SNMP managed network? SNMP consists of three key components: managed devices, agents, and the network management station (NMS). A managed device is a node that has an SNMP agent and resides on a managed network. These devices can be routers and access servers, switches, hubs, computer hosts, IP telephones, printers etc.

Why is SNMP important in network management? SNMP device monitoring is a significant element of this process. SNMP enables administrators to monitor how devices are performing and make changes to network devices so that data moves through the network more efficiently.

What is SNMP management system? SNMP stands for "Simple Network Management Protocol." It's an application layer protocol included in the internet protocol suite, a set of the most commonly used communication protocols online. SNMP originated in the 1980s at the time when organizational networks were growing in both size and complexity.

What are the 5 basic commands of SNMP? Managed devices are monitored and controlled using four basic SNMP commands: read, write, trap, and traversal operations. The read command is used by an NMS to monitor managed devices. The NMS examines different variables that are maintained by managed devices.

Is SNMP still used? Even after 30+ years, there is no other monitoring protocol standard like SNMP. Almost all network devices and data center equipment support this protocol. As it is a common standard, SNMP has to be supported by any monitoring system today.

What are the 5 types of SNMP messages?

What are the disadvantages of SNMP? SNMP Drawbacks The protocol has serious security issues, including access control, authentication, and data privacy. This protocol works with data that is neither detailed nor well structured. SNMP can be operated only on SNMP-enabled devices. Other types of devices cannot be monitored using the SNMP manager.

What are the 5 messages of SNMP? SNMP defines five types of messages: GetRequest, GetNextRequest, SetRequest, GetResponse, and Trap. GetRequest: The GetRequest message is sent from a manager (client) to the agent (server) to retrieve the value of a variable.

Why is SNMP a security risk? Attackers can exploit SNMP vulnerabilities by sending SNMP requests from unauthorized devices or guessing weak or default community strings. When exploited, these vulnerabilities can lead to data theft, DoS attacks, and disruptions to network operations.

Should SNMP be open to Internet? You should not place devices on the Internet with open SNMP services. This is a very cheap way for an attacker to gather intelligence about your network and traffic. Please always use secure protocols: SNMPv1 send passwords in clear text.

Does SNMP use TCP or UDP? SNMP uses UDP as its transport protocol because it has no need for the overhead of TCP. "Reliability" is not required because each request generates a response. If the SNMP application does not receive a response, it simply re-issues the request.

What are the key features of SNMP?

Which three options are the main security features in SNMPv3? This technology provides commercial-grade security and the ease of administration, which includes authentication, authorization, access control, and privacy.

What are the three key components of network administration? Network administration primarily consists of, but isn't limited to, network monitoring, network management, and maintaining network quality and security. Network monitoring is essential to monitor unusual traffic patterns, the health of the network infrastructure, and devices connected to the network.

What are the three types of SNMP?

Understanding Business 10th Edition Paperback: A Comprehensive Guide

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