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Overview:Unlock the secrets to mastering the CBSE Class 12 Chemistry subject with our tailored preparation tips for each section - Physical, Organic, and Inorganic Chemistry - and get a curated list of must-have reference books. The CBSE Class 12 Chemistry board exam is a milestone that can significantly impact your academic journey and future career.Markedly known for its comprehensive syllabus and complex topics, it requires a strategic approach to score well. This article aims to simplify your preparation withCBSE class 12 Chemistry Tips and tricks for each section and suggest the best reference books. Download Free Study Materials for CBSE Class 12th by SuperGrads Here are important conceptsfor all three sections of the CBSE Class 12 Chemistry syllabus. Physical Chemistry Organic Chemistry Inorganic Chemistry Electrochemistry Haloalkanes and Haloarenes 1, 2, 3 amines General Principles and Processes of Isolation of Elements Chemical kinetics Alcohols, Phenols and Ethers Aldehydes, Ketones and Carboxylic Acids p -Block Elements Solutions Phenols-Carboxylic Acid Organic Compounds containing Nitrogen d -and f -Block Elements Solid-state Aldehyde-Ketone Biomolecules Coordination Compounds Surface chemistry 1,2,3 alcohols Polymers - - Chemistry in Everyday Life - - Download PYPs with Solutions for CBSE Class 12th by SuperGrads CBSE Class 12 Chemistry Curriculum and Unit-Wise Mark Scheme Unit Weightage (In Terms of Marks) Solutions 7 Electrochemistry 9 Chemical Kinetics 7 d And f Block Elements 7 Coordination Compounds 7 Haloalkanes And Haloarenes 6 Alcohols, Phenols And Ethers 6 Aldehydes, Ketones And Carboxylic Acids 8 Amines 6 Biomolecules 7 Total Marks (Theory) 70 Total Marks (Internal Assessment) 30 Grand Total 100 Check Out:CBSE Syllabus for Class 12 Chemistry CBSE Class 12 Chemistry Tips and Tricks It is important to prepare for the CBSE Class 12 Chemistry exam by properly paying attention to each section. Check out the section-wise preparation tips for CBSE Class 12 Chemistry. Physical Chemistry Prep Tips The units included are electrochemistry, chemical kinetics and surface chemistry. All these units include numerical questions. Practise problems to understand the concept. Write the formula before solving any numerical problem. Avoid using calculators. Solve the problem completely, and do not forget to mention units in the answer. From electrochemistry, it is important to practise questions based on the Nernst Equation, Gibb's free energy and equilibrium constant, molar conductivity and Kohlrausch law. In chemical kinetics, it is imperative to practise questions based on the average reaction rate, integrated rate laws for zero and first-order reactions, the initial rate method, and the Arrhenius equation. Interpreting graphs for integrated rate laws and the Arrhenius equation is important. For surface chemistry, go through the pictures in the book, especially those showing the purification of colloids and the properties of colloidal solutions. Read thoroughly about colloids around us. Check Out:CBSE Class 12 English Tips and Tricks Organic Chemistry Prep Tips andImportant Topics The units included are Aldehydes, Ketones and Carboxylic Acids and Amines. Make a chart of all named reactions in these two units. Learn them by writing them several times in a notebook. Understand the mechanism of the reactions rather than just memorising them. Making mind maps is the key. Practise conversions daily. Learn the distinguishing tests between different classes of organic compounds. Check Out:CBSE Class Computer Science Practical Exam Questions Inorganic Chemistry Prep Tips and Its Important Topics The units included are d- and f- block elements and coordination compounds. As these topics are theoretical, reading the units from the NCERT book at least twice is important. Make charts and notes citing reasons for assertions given in the text. Paste them on your study desk. These will come in handy during revision. Read and interpret the graphs in the dand fblock elements, such as those showing trends in the melting points, enthalpies of atomisation, atomic radii, standard electrode potentials, etc. Werner's theory, nomenclature, VBT and CFT are important for coordination compounds. Check Out:CBSE Class 12 Applied Mathematics CBSE class 12 Chemistry Tips and Tricks: Reference Books Here is the list ofCBSE class 12 Chemistry Reference books you can refer to - Book Title Author(s) Pradeep's New Course Chemistry for Class XII (Vol I and II) S.C. Kheterpal, S.N. Dhawan, P.N. Kapil Modern's ABC of Chemistry Class - 12 (Part 1 & 2) S. P. Jauhar Concise Inorganic Chemistry J. D. Lee Modern Approach to Chemical Calculations R.C. Mukherjee SC Chemistry Class 12: Chemistry Class XII OP Tandon, A.K. Virmani, A.S. Singh CBSE Chapter-wise Solutions - Chemistry (Class 12): A Collection of Fully Solved Questions Asked from 2014 - 2008 Examination Arranged Purnima Sharma Check Out:CBSE Toppers Talk Attempt Mock Tests for 100% in CBSE Class 12th by SuperGrads CBSE Class 12 Chemistry Preparation Tips Students should check the complete CBSE Class 12 Chemistry syllabus 2024-25 and prepare a proper study schedule. Give preference to the NCERT booksfirst and later refer to the other best reference booksfor CBSE Class 2 Chemistry. Make short notes and write all the definitions, formulas, and equations separately. Practice CBSE 12th question papers to know the types of questions asked in the examination. It is important to revise regularly.Dedicate one day a week to revise everything you have studied. Key Takeaways Excelling in CBSE Class 12 Chemistry is no small feat, but with focused Tips and tricks, preparations, the right approach, and good reference material, it is certainly achievable. Take time to understand each concept, practice as many questions as possible, and, most importantly, consistently review and adapt your strategies as needed.Table of contentsEnable GingerCannot connect to Ginger Check your internet connectionor reload the browserDisable in this text fieldRephraseRephrase current sentence2Log in to edit with Ginger If our Website helped you a little, then kindly spread our voice using Social Networks. Spread our word to your readers, friends, teachers, students & all those close ones who deserve to know what you know now. Stay Updated on Exams and New Study Materials by entering your details below. The NCERT Class 12 Chemistry Notes in PDF prepare students in advance to perform better in the board and competitive examinations. Therefore, the students studying Chemistry should definitely use Class 12 Chemistry NCERT Notes in PDF because it will help them cover their full NCERT Chemistry Syllabus with ease. It is possible with the notes because the revision notes are prepared to keep in mind the cruciality of time for the students. Subject matter experts of Selfstudys have crafted the Class 12 Chemistry NCERT Notes in PDF after analysing the whole NCERT 12 Chemistry books and syllabus. Links to download are mentioned here on this page which will aid students to access the PDF of Chemistry revision notes anytime they want. Chapter wise Class 12 NCERT Chemistry Notes Chapters of Class 12 Chemistry are a bit complicated and so, it requires rigorous revisions from time to time to understand the concepts of the chapters. Hence, in favour of students, our subject matter experts have prepared the Chapter wise Class 12 NCERT Chemistry Notes which are organised in chapter wise manner and topic-wise manner. By using the NCERT Class 12 Chemistry Notes PDF students can stay organised and do their study precisely, therefore, our team has bundled the NCERT Class 12 Chemistry Notes in individual PDF files. NCERT Class 12 Chemistry Notes PDF Download Process If you are looking for the NCERT Class 12 Chemistry Notes PDF then go through the download process, mentioned below - Open the Selfstudys website and click on the Navigation button Click on NCERT Books & Solutions to expand it further Now, click on NCERT Notes to open a new page Choose class 12th from the given options Now, search or Click on Chemistry to access the Class 12 Chemistry NCERT Notes in a chapter-wise format. What are NCERT Class 12 Chemistry Notes and Why It Is Popular? NCERT Class 12 Chemistry Notes is a study tool which contains a collection of short summaries of subtopics, definitions, and key points. The Notes are an easily absorbable document that helps students to improve their grip on the topics explained. Due to this reason, it is one of the most popular study resources used by lakhs of students to prepare for their board examinations and competitive examinations. NCERT Class 12 Chemistry Notes PDF is prepared by those teachers who have years of experience in teaching and they know how to shorten the long definitions so that a reader can easily remember them. What is the Importance of Class 12 Chemistry NCERT Notes? Helps In Recalling the Studied Topics: We all know that revision helps recall the studied topics, and it becomes much more important when you are studying subjects like Chemistry. Class 12 Chemistry NCERT Notes is intentionally prepared to keep in mind the need of students in remembering the topics studied. Timely Revision Helps Reduce Anxiety And Stress: Revising the Chemistry topics timely: during regular classes or exam preparation helps students deal with stress and reduces anxiety. Since with the help of Class 12 Chemistry NCERT Notes students can deal with such disturbing situations, they can better perform in the examinations. Using Class 12 Chemistry NCERT Notes Boosts Confidence in Students: Having confidence in Chemistry can help you to perform better in the examination. But it is only possible if you have completed your CBSESyllabus and you are well aware of all the topics that are discussed in Chemistry. Class 12 Chemistry NCERT Notes help you build that confidence as it contains the details about every single topic in a brief. Assists in Identifying Weak and Strongest Areas in the Subject: If you use the Blurting technique to revise the Class 12 Chemistry, you will find that there are some weak and strongest areas in the subject. How to use Blurting techniques to revise has been discussed below. By using the Class 12 Chemistry NCERT Notes, you can work on the weak areas to improve them. 3 Revision Techniques To Use NCERT Class 12 Chemistry Notes PDF Revise, Sleep, & Repeat:Research says that taking a short nap of about 20 or 30 minutes improves memory. So, revising, Sleeping, & repeating the same process time and again helps in improving memory or recall power so, use this revision technique to use the NCERT Class 12 Chemistry Notes PDF. Pomodoro is a way for distracted students:The Pomodoro technique is a great way to revise, and it works very well for those students who struggle with concentrating on a single task for a longer period of time. Thus, students can use this technique to use the NCERT Class 12 Chemistry Notes PDF to revise the whole Chemistry syllabus. Blurting, a new trend to revise:So far, you understood the two most popular ways to revise the concepts of Chemistry you have studied, but Blurting is a revision technique that you can use. Blurting revision techniques include reading your Chemistry notes aloud. Only reading helps so much to remember. Once, you do this technique, make sure you test yourself by writing down everything you have remembered so far during your class 12 Chemistry revision time. When To Use Class 12 Chemistry NCERT Notes in PDF That Will Add Value To Your Life? The revision notes of Class 12 can add great value to your academic life if you know when to use them. Therefore, in this section, we have mentioned the crucial moments you should use NCERT Chemistry Class 12 Notes PDF. At the time of classroom study: The Class 12 Chemistry NCERT Notes in PDF is an ideal study resource to use at the time of classroom study. It is so because generally, one chapter of Chemistry will take some time to complete so when it is the second or third class for the same Chemistry chapter use the revision notes of Class 12 Chemistry to recall whatever you have studied in the previous classes. It will make the previous learning fresh and will enable you to take more interest in the study as you can better understand the topics now. While doing the weekly revision: All the students studying in class 12 should do weekly revision as it helps them keep track of whatever they have studied in the entire week as well as helps them refresh all the learnings. During board exam preparation: All the board candidates who have prepared a timetable to dedicate to the board exam preparation should use the Class 12 Chemistry NCERT Notes. Using the Class 12 Chemistry notes at that time will help the students to strengthen their grip on the topics which will help them score better marks in the board examination. While preparing for competitive exams: Class 12 Chemistry isnt limited to the board exams only, there are several competitive exams in which Chemistry plays a crucial role; students can use the NCERT Chemistry Class 12 Notes PDF while preparing for competitive exams. It will help them better prepare for the subject. During last-minute preparation: About one day before the examination using the NCERT Class 12 Chemistry Notes can add great value to the students overall preparation. Using the Chemistry Notes during the last-minute preparation gives instant recall to all the topics of Chemistry. It will also help them ease their stress as they will get some confidence by doing this. Need answers? Find them here... You can handle the difficulty level of Class 12 Chemistry using NCERT Notes, but it is important to understand that you have to study the chapters at least once. NCERT Class 12 Chemistry Notes are very efficient in helping you recall whatever you have studied, it isnt something you should rely on to complete the syllabus. Yes, it is possible to create your own Class 12 Chemistry NCERT Notes but for this, you should have the NCERT Class 12 Chemistry Book. In addition to that, you have to study those Chemistry topics you want to make notes for. Keeping in mind the time consumption in making notes, our subject experts have prepared the NCERT Class 12 Chemistry Notes PDF that can be accessed here for free of cost. Download Class 12 NCERT Chemistry Notes from the Selfstudys website for free. Class 12 Chemistry NCERT Notes dont work or add any value if you havent studied the chapter well. Yes, there is no doubt about it, the NCERT Class 12 Chemistry Notes PDF are one of the most organised study resources that not only help you revise but help you learn how to be organised while doing a study of Chemistry. CBSE Class 12 Chemistry is an important subject for science stream students. Those who have good command over basics can easily score 90+ marks in this subject. But for these students need to really put an effort the whole year and practice a lot before the board exam. Merely studying at the last moment for 1 or 2 months will not give any result. Students need to study chemistry with full concentration and consistency from the start of the academic session. Here we have provided some tips which will help students to prepare for the CBSE Class 12 Chemistry Board Exams.This subject also plays a crucial role in the competitive exam. So, preparing for the board exam will help students to perform well in the competitive exams as well. What they need is regular practice and a thorough understanding of the chapters. By going through this article students will get to know how to prepare for CBSE Class 12 Chemistry Exam and after that, they can plan their studies accordingly.CBSE Class 12 Chemistry Preparation TipsThe CBSE Class 12 Chemistry subject is divided mainly into 3 parts:Physical ChemistryOrganic ChemistryInorganic ChemistryHere are the ways to prepare for each section of chemistry in detail. But before going into depth, have a look at the CBSE Class 12 Chemistry Syllabus.Physical ChemistryIf a student has a strong mathematical calculation capability and formula application skills then it will be a plus point for preparing the physical chemistry. A Chapter like electrochemistry, chemical kinetics, solutions, solid-state, and surface chemistry comes under this category. This basically consists of 23 marks and has 33% of the weightage of the whole paper.Unit No.Topic NameMarksUnit ISolutions23Unit IIElectrochemistryUnit IIIChemical KineticsUnit IVSurface ChemistryStudents should understand the topics from the NCERT textbooks and solve the exercise problems. As this portion mostly consists of numerical so students should practise different types of problems and concentrate on a quick calculations using the log table. To remember all the formulas, students must note down all formulas in one place with examples. This will also help them in quick revision during exam timing.Organic ChemistryOrganic chemistry deals with the vast majority of the compounds we see around us. If students have covered the basics of organic chemistry then they can ace this portion easily with full dedication and hard work. Organic chemistry is asked for 28 marks in the board exam. These topics mainly constitute the reactions, IUPAC naming of compounds, and use of the different reagents to test the presence of the compounds.Unit No.Topic NameMarksUnit VIIIHaloalkanes and Haloarenes28Unit IXAlcohols, Phenols and EthersUnit XAldehydes, Ketones and Carboxylic AcidsUnit XIOrganic Compounds containing NitrogenUnit XIIBiomoleculesUnit XIIIPolymersUnit XIVChemistry in Everyday LifeSome important topics that students must make separate notes of are(a) Phenols-Carboxylic Acid(b) Aldehyde-Ketone(c) 1,2,3 alcohols(d) 1, 2, 3 aminesThe important name reactions such as Williamson, Wolff-Kishner, Hell-Volhard-Zelinsky, and Clemmensen Reduction are directly asked in the exam for 5 marks. So students must practice these reactions and they should be at their fingertips.Inorganic ChemistryThis is considered to be a difficult part of class 12 chemistry. Students must memorize the periodic table and know about the properties of p-Block, d-Block and f-Block elements. The questions asked in the exams are mostly from the NCERT Class 12 Chemistry textbook, thus students must practice the exercise problems of the chapters. Inorganic chemistry is asked for 19 marks in the paper.Unit No.Topic NameMarksUnit VGeneral Principles and Processes of Isolation of Elements19Unit VIp -Block ElementsUnit VId -and f -Block ElementsUnit VIICoordination CompoundsWith the help of the short notes and adequate revisions, students will be able to handle inorganic chemistry easily.Practice Sample Papers and Previous Years PapersTo score above 90 marks in chemistry, practising CBSE Class 12 sample papers are essential. Through these students can analyse their exam preparation. Solving the previous years class 12 Chemistry question papers will provide students with an idea of the exam pattern and type of questions asked in the exam.They will also get to know the difficulty level of the exam and questions that are repeated in the exam. Based on that they can figure out the important questions. Hence, it is advised for students to solve the question papers on a daily basis once they are done with the syllabus. Analyse the weak points and work on them to improve the performance.We hope students have found this information on CBSE Class 12 Chemistry Preparation Tips useful for their exams. Keep learning and stay tuned for further updates on CBSE and other competitive exams. Download BYJUS App and subscribe to the YouTube channel to access interactive Maths and Science videos.CBSE Class 12 Chemistry is an important subject for science stream students. Those who have good command over basics can easily score 90+ marks in this subject. But for these students need to really put an effort the whole year and practice a lot before the board exam. Merely studying at the last moment for 1 or 2 months will not give any result. 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Based on that they can figure out the important questions. Hence, it is advised for students to solve the question papers on a daily basis once they are done with the syllabus. Analyse the weak points and work on them to improve the performance.We hope students have found this information on CBSE Class 12 Chemistry Preparation Tips useful for their exams. Keep learning and stay tuned for further updates on CBSE and other competitive exams. Download BYJUS App and subscribe to the YouTube channel to access interactive Maths and Science videos. Class 12 board exams hold immense significance for students. Besides traditional classroom learning, self-study plays a vital role in achieving success. Crafting an effective self-study plan is pivotal. In this blog, we will outline a comprehensive self-study strategy tailored for class 12 board exams. Well cover essential subjects, time management techniques, effective study methods, and how to prepare efficiently for these crucial examinations. Strategies for Excelling in Your Class 12 Board Examinations Time ManagementEffective time management is crucial for a successful self-study routine. To make the most of your time, create a timetable that includes dedicated slots for each subject, revision, and breaks. Its essential to allocate extra time to subjects that you find tougher or need more focus. Avoid last-minute cramming by sticking to a consistent daily study schedule. This balanced approach will help you excel in your studies.Organizing Your Study Plan by Subjects To create an effective study plan, its essential to break it down subject by subject. Heres a practical approach for tackling your core subjects:MathematicsFirst, grasp the fundamental concepts. Practice problem-solving techniques regularly.Solve previous years question papers.Prioritize topics with more weight and address doubts promptly.Science (Physics, Chemistry, and Biology)Focus on understanding the core concepts.Memorize key facts, formulas, and reactions.Practice numerical problems and experiment-related questions.Dont forget to include diagrams in your studies. Also Read: NCERT Solutions for Class 6 to 12/strong> EnglishEnhance Your Linguistic Proficiency with Extensive ReadingWork on comprehension exercises to enhance understanding.Practice grammar regularly.Hone your vocabulary and essay-writing skills.Practice precis writing to sharpen your summarization abilities.Social Sciences (Political Science, Economics, History, and Geography)Concentrate on understanding the core concepts. Memorize important dates, events, and facts.Create concise notes and use mind maps for reinforcement.By adopting this subject-focused approach, you can make your study plan more efficient and effective. To boost your self-study progress, utilize these powerful learning techniquesActive LearningActive learning techniques are powerful tools for enhancing your understanding and memory retention. These methods involve actively engaging with the material, such as summarizing information, explaining concepts to yourself, teaching others, and participating in group discussions. By incorporating these strategies into your study routine, you can improve comprehension and remember what you learn more effectively.Visual AidsVisual aids like flowcharts, diagrams, and concept maps are invaluable for tackling challenging subjects. They simplify complex topics, making them easier to grasp and remember. Flowcharts break down processes step by step, diagrams illustrate relationships or structures, and concept maps organize information visually. Using these visual tools, you can break down intricate ideas into more digestible parts, enhancing your understanding and boosting your ability to retain information.Note-takingWhether youre in class or studying independently, taking comprehensive notes is crucial. Summarize information in your own words, emphasize key points, and create flashcards for quick review. These techniques promote better understanding and retention of the material, making it easier to revise when necessary. Cultivate the habit of thorough note-taking and apply these strategies for improved learning outcomes.Practice PapersTo excel in exams and bolster your confidence, follow these steps. Start by working through previous years question papers and sample papers, as they offer insights into the exam format and highlight areas that require more practice. Additionally, engage in mock tests or practice exams to gauge your progress and build your self-assurance.Another valuable resource is the NCERT Class 12 Solutions, which provide answers and explanations for textbook questions. Consulting these solutions can enhance your understanding of potential exam questions and deepen your knowledge of the subject.Revision and Self-assessmentConsistently reviewing your study materials is essential for remembering them in the long run. Set aside specific times for revision, paying extra attention to the important parts and the areas you find most challenging. Create a structured plan for your revisions, making sure to revisit all subjects regularly. Also Read: NCERT Books for Class 6 to 12Equally vital is assessing your own progress. Test yourself with practice quizzes, mock exams, and timed exercises. Afterward, carefully evaluate how you did, recognizing what youre good at and where you need improvement. Adjust your study routine based on these insights to enhance your learning.Healthy Habits and Stress ManagementWhen getting ready for exams, its super important to take care of yourself. That means eating well, getting enough sleep, and staying active. Its equally important to grasp the art of stress management. You can do this through things like meditation, deep breathing, and yoga, which help you stay calm and focused. And dont forget to take short breaks while studying to rest and recharge. Unlocking Academic Excellence A Comprehensive Time Table for Class 12th Toppers-in-the-Makingsuccessful class 12th toppers have one thing in common: a well-structured timetable that they follow diligently. This disciplined approach is their key to acing the 12th board exams. If youre looking to create a study timetable for class 12, take inspiration from their routines:Morning Routine (5:00 am 7:00 am)Wake up at 5:00 am and complete your morning routine swiftly.Spend 15 minutes doing yoga, exercise, or meditation to refresh your body and mind. This ritual not only helps alleviate stress but also paints a bright canvas to kickstart your day with an optimistic flourish.From 5:30 am to 6:45 am, review what you studied the previous evening. Revision is crucial for retaining information.Breakfast (6:45 am 7:00 am)Enjoy a nutritious breakfast with fresh fruits and juice to boost your energy for the day.Afternoon (4:00 pm 7:00 pm)Attend tuition or coaching classes, which are common for many class 12 students. If not, dedicate this time to self-study.From 6:00 pm to 7:00 pm, engage in a sport or activity to stay physically and mentally fit and reduce stress.Evening Study (7:00 pm 9:00 pm)Set aside time for self-study and completing homework/assignments.Remember, its not just about how many hours you study but how effectively you use those hours. Dont forget to refresh your mind, take a rest for a while.Dinner and Revision (9:00 pm 10:30 pm)Have dinner and take a break from long study sessions.Use the time from 9:30 pm to 10:30 pm to revise the topics you covered during the day.Bedtime (10:30 pm)Take a minimum of 7 hours of sleep. Adequate sleep is crucial for productive and focused studying.By following this structured timetable, you can optimize your study routine and increase your chances of success in your class 12 exams.Importance of Maintaining a TimetableCreating a well-structured study schedule is crucial for success in your 12th-grade exams. This phase is pivotal, and a properly planned timetable can make all the difference. It keeps you focused on your studies while allowing time for relaxation.Heres how an effective study timetable helpsSetting Clear Goals: It helps you define your goals clearly.Efficient Time Management: Prevents wastage of time and energy.Balanced Study: Ensures an even distribution of study hours.Building Good Habits: Supports the development of productive habits.Goal Achievement: Increases your chances of achieving your desired outcomes.Regulating Your Body Clock: Helps establish a consistent daily routine.By following a well-structured timetable, youll maximize your chances of success in your 12th-grade exams.Things to Keep in MindWhen it comes to setting up a study timetable, there are a few important things to keep in mind to make your study sessions productive and efficient:Morning Studies: Consider studying in the morning. Your brain tends to be at its sharpest after a good nights sleep, which can help you absorb information more effectively without feeling tired.Plan Your Strategy: Its essential to have a well-thought-out plan for your study sessions. Having a clear strategy can help you track your progress and stay on the right path.Customize Your Schedule: Recognize that every student is unique. Your strengths and weaknesses may differ from others, so tailor your study schedule to suit your individual needs. For example, if you excel in science but struggle with mathematics, allocate more time to math.Minimum Study Hours: Aim to spend at least 6 hours studying outside of your regular classes. However, you dont have to study continuously. Taking breaks at intervals can help maintain your interest and prevent mental fatigue.Cover the Syllabus: Make sure your timetable includes all the subjects in your syllabus. This ensures that youre well-prepared for all your coursework.Creating a study schedule that aligns with these principles can boost your productivity and help you achieve your academic goals effectively. ConclusionIn the end, preparing for Class 12 board exams requires a well-structured and disciplined self-study plan. Effective time management, subject-focused organization, active learning strategies, and regular revision are key elements to success. Following a structured timetable, like the one outlined here, can greatly enhance your chances of excelling in these crucial exams.Remember to prioritize your health, manage stress, and tailor your study plan to your individual strengths and weaknesses. With dedication and a systematic approach, you can confidently navigate the challenges of Class 12 board exams and achieve your academic goals.Frequently Asked Questions (FAQs) Self-study helps reinforce classroom learning, allows personalized focus on weaker areas, and promotes independent thinking and problem-solving skills. Create a timetable with specific time slots for each subject, revision, and breaks. Prioritize challenging subjects and maintain a consistent study schedule. For mathematics, focus on understanding concepts and practice problem-solving techniques. In science subjects, emphasize conceptual understanding, memorize key facts, and practice numerical problems. English requires extensive reading, grammar practice, and writing tasks. Social sciences demand conceptual understanding, memorization of facts, and the creation of concise notes. Active learning techniques such as summarizing information, explaining concepts to yourself, and teaching others. Visual aids like flowcharts, diagrams, and concept maps help simplify complex topics. Note-taking, highlighting key points, and creating flashcards aid in retention. Solve the previous year's question papers and sample papers, and Don't forget to take practice tests to become familiar with the exam format. Utilize NCERT Class 12 Solutions for comprehensive answers and explanations. CBSE Class 12 Chemistry Self-Study Materials 7. Elevation in boiling point (Tb)Tb = i.Kb mwhere Tb = Tb TbKb = molal boiling point elevation constantm = molality of solution.8. Depression in freezing point (Tf)Tf = i.Kf mwhere Tf = Tf TfKf = molal depression constantm = molality of solution.9. Osmotic pressure () of a solutionV = inRT or = i CRTwhere = osmotic pressure in bar or atmV = volume in litresi = Van't Hoff factorc = molar concentration in moles per litresn = number of molesT = Temperature on Kelvin ScaleR = 0.083 L bar mol1 K1R = 0.0821 L atm mol1 K110. Van't Hoff factor (i)i = Observed colligative property / Theoretically calculated colligative propertyi = Normal molar mass / Abnormal molar mass{i > 1 For dissociation of molecules{i < 1 For association of molecules{i= 1 For ideal solution11. Relationship between relative lowering in vapour prescure and elevation in b.p.b/pA=(ixTb/Kb)MAx1000Herep is lowering in vapour pressure, pA is vapour pressure of pure solvent, i is van't Hoff factor, Tb is elevation in boiling point, Kb is molal elevation constant and MA is molar mass of solventElectrochemistry1. Conductivity (k)K = 1 /P= 1/R =l/A= G G*/AWhere R is resistance, l/A = cell constant (G*) and 1/P is resistivity.2. Relationship between k and AmAm = 1000 kxcWhere m L is molar conductance, k is conductivity and C is molar concentration.Kohlrauschs law(a) In general if an electrolyte on dissociation gives+ cations and anions then, its limiting molar conductivity is given byPlease click the link below to download pdf file for Class 12 Chemistry full Study Material for boards revision Get here complete 30-Day Study Plan for high score in CBSE Class 12 Chemistry Board Exam 202430 Days Study Plan for CBSE Class 12 Chemistry: CBSE Class 12 Chemistry Exam is scheduled for February 27, 2024. As there is now around 1 month left until the exam, the last 30 days leading up to the Chemistry Board examination are crucial for students. At this stage of preparation, it is essential for class 12 students with chemistry as one of their subjects to have a strategically focused approach to ensure optimal utilisation of this period. In this context, efficient time management along with effective study techniques can make this phase of exam preparation less stressful and more productive for students.In this article, we have provided a 30-day study plan and tips for the Class 12 students appearing for the Chemistry board exam to achieve top scores in the board exam.30-Day Study Plan for CBSE Class 12 Chemistry Board Exam 2024: Weekly ScheduleAt this stage of preparation, students must have completed the reading of their chemistry syllabus, so this is the time when they should focus on revision of all chapters along with solving a good number of questions.In order to make each week of the coming month productive from the perspective of Board Exams 2024, a weekly schedule for Class 12 chemistry has been provided to students here for their assistance. This weekly schedule will further shape your preparation strategy to achieve top marks in the finals. Week 1 Read the CBSE Class 12 Chemistry syllabus. Revise all the chapters and notes of Part I of the Chemistry book. Solve the NCERT exercises for all units given in Part-I of the Chemistry Book. Check previous-year question papers for all Units of Chemistry Part-I. While doing revision, give special emphasis to those topics that are of high importance. Check the marking scheme and exam pattern. Week 2 Revise all the chapters and notes in Part II of the Chemistry book. Solve the NCERT exercises for all units given in Part II of the Chemistry Book. Check previous-year question papers for all Units of Chemistry, Part II. Week 3 By this week, students must have completed the revision of all chapters of Chemistry and must have solved previous year's questions as well. Now, students should start practicing official sample papers so that they can develop an efficient time management strategy for the final exam. Students can attempt chapter-wise test papers and should have the target of solving questions from at least two chapters in a day. By following this approach, they will be able to solve sample papers for all chapters in one week. Week 4 Analyse your test performance, identify your weak areas, and work on them. Make a list of high-scoring topics and prepare them well. Practice the questions that are of high importance. Carefully read the exam guidelines and ease yourself into the examination process. Build an exam strategy. It is crucial for students to know about the exam pattern before appearing for their final examination. Here, students can check the chemistry exam pattern. Section Type of Question No of Questions Total Marks A Multiple-Choice Questions (MCQs)/ Assertion-Reasoning 16 1 x 16 = 16 B Short Answer Questions 5 2 x 5 = 10 C Short Answer Questions 7 3 x 7 = 21 D Case-based Questions 2 4 x 2 = 8 E Long Answer Questions 3 5 x 3 = 15 CBSE Class 12 Chapter-wise Marks DistributionHere, students can check the chapter-wise mark distribution and prepare chapters according to the given weightage. Chapters with the highest weight should be given priority in decreasing order.Note: The study plan and strategy provided in the article are suggestions. Students can always alter the plan at their convenience. Students are advised to sleep peacefully and eat mindfully. Keep yourself active. Practice meditation, yoga, or whatever suits you the best. CBSE Board Exams hold great importance for the students of Class 12, as the marks obtained here will have a direct impact on their academic future. In this context, for achieving high marks in the CBSE Class 12 Chemistry Board Exam, having a well-planned strategy for approaching the coming days is crucial.Also Read:CBSE Class 12 Date Sheet 2024 PDF (Revised) and Practical DatesAs the CBSE Class 12 Chemistry board exams approach, the pressure to cover the entire Syllabus can be overwhelming. But don't worry; with the right strategies, resources, and a strong commitment to efficient learning, it's absolutely possible to succeed. In this blog, we'll provide you with a step-by-step study plan to effectively cover the CBSE Class 12 Chemistry Syllabus in just four days. We'll focus on prioritization, condensed revision techniques, and practical application of concepts to help you maximize your learning outcomes.PrioritizationThe first step is to prioritize the topics that need to be covered. The NCERT Textbook is the best resource for this, as it outlines the syllabus in a logical and comprehensive manner. Students should start by reviewing the chapter headings and subheadings to identify the most important topics.CBSE Chapter Wise Weightage:Condensed Revision TechniquesOnce the priority topics have been identified, students can begin to revise using condensed techniques. This involves focusing on the key concepts and avoiding unnecessary details. Some useful condensed revision techniques include:Creating Mind Maps or Concept Maps: This is a visual way to organize and summarize key concepts and their relationships.Using Flashcards: Flashcards can be used to test your knowledge of key terms, definitions, and formulas.Writing Short Notes: Writing short notes in your own words can help you to better understand and retain key concepts.Practical Application of ConceptsOne of the best ways to learn chemistry is to apply the concepts to real-world situations. This can be done by solving problems, conducting experiments, and discussing chemistry concepts with others as and when you can.Step-by-Step Breakdown of Daily Study GoalsHere is a sample study plan for covering the CBSE Class 12 Chemistry Syllabus in four days:Day 1: Organic Chemistry & Solid StateMorningStart your day with the basics of Organic Chemistry. Revise key concepts such as the IUPAC nomenclature and reaction mechanisms.Use online resources like Vedantus video lectures and interactive quizzes to reinforce your understanding.In the evening, switch to Solid State. Understand the structure, types of solids, and the concept of the unit cell.Practice solving numerical problems from both topics for practical application.AfternoonDive deeper into Organic Chemistry by revising reactions, synthesis, and identifying reagents.Make use of flashcards to memorize reaction mechanisms and important points.Utilize Vedantus doubt-solving sessions to clarify any doubts or misconceptions.EveningFocus on Solid State properties like conductivity, defects, and imperfections.Attempt sample papers or previous years question papers to gauge your progress.Vedantu provides Important Questions, Sample papers and NCERT Solutions for all Class 12 Subjects and Chapters visit our website Vedantu.com to access and download the PDF for free.Day 2: Physical Chemistry & SolutionsMorningStart your day with Physical Chemistry, focusing on topics like electrochemistry and chemical kinetics.Solve numerical problems related to these topics for better retention.Use videos provided by Vedantu to understand the concepts better.AfternoonMove on to the topics of Solutions. Understand the concepts of concentration, colligative properties, and Henrys law.Take notes while studying, as writing reinforces your memory.EveningRevise concepts related to equilibrium and surface chemistry from Physical Chemistry.Engage in a discussion forum to share and exchange insights with friends/classmates.Day 3: Inorganic Chemistry & ElectrochemistryMorningBegin your day with Inorganic Chemistry, focusing on the p-block elements and d-block elements.Use memory techniques like mnemonics to remember periodic trends.Solve practical problems to reinforce your understanding.AfternoonShift to the topics of Electrochemistry. Understand electrolysis, Nernst equation, and galvanic cells.Make use of visual aids like diagrams and charts to grasp the working of cells.EveningRevise topics from Inorganic Chemistry, emphasizing the properties and reactions of elements.You can refer to Vedantus video content to understand challenging topics.Day 4: Coordination Compounds & Chemical KineticsMorningDive into Coordination Compounds. Focus on the bonding in complexes and isomerism.Create a summary sheet of important reactions and concepts.AfternoonCover the topic of Chemical Kinetics. Understand factors affecting rate, rate laws, and integrated rate equations.Solve complex equations and analyze reaction mechanisms.EveningDevote the final hours to revision. Summarize key points from all the topics.Take a mock test to assess your overall performance.Additional Tips to Help You ConcentrateTake Breaks: It is important to take breaks while studying, especially when covering a large amount of material in a short period of time. Get up and move around every 30-60 minutes to avoid getting burned out.Stay Hydrated: Drinking plenty of water is essential for staying focused and alert while studying.Get Enough Sleep: Sleep is essential for memory consolidation and learning. Aim to get 7-8 hours of sleep each night.Eat Healthy Foods: Eating healthy foods will give you the energy you need to focus and study effectively. Avoid processed foods and sugary drinks.Class 10 and 12 CBSE Exam Preparation: Essential Links for Success!Accessing important study resources is integral to effective exam preparation for both Class 10 and Class 12 students. To streamline your study process, we have compiled a comprehensive table featuring essential pages for both classes. From study materials to previous year question papers, this table provides quick access to all the resources you need to excel in your academic journey. Click on the links to unlock the path to academic excellence and confidently ace your CBSE Class 10 and 12 exams!ConclusionThis four-day study plan, emphasizing prioritization, interactive resources like Vedantu, and practical learning techniques, will help you successfully cover the entire CBSE Class 12 Chemistry Syllabus in 4 days. Remember to stay focused, manage your time effectively, and maintain a positive attitude throughout your preparation.V wish you the best of luck with your exams you've got this! Studying Chemistry for Class 12 can be both exciting and challenging due to its vast syllabus and conceptual depth. To excel in this subject, it's important to approach it systematically. Whether you're preparing for board exams or competitive tests like NEET, here are some effective preparation tips to help you answer the questions like how to study Chemistry Class 12. Preparation Tips For Class 12 Chemistry Students who are preparing for class 12 Chemistry subject must follow the below preparation tips. Understand the Syllabus: The first thing that students should do is read over the Chemistry syllabus for Class 12. They can more efficiently plan their preparation if they are aware of the subjects they must study. They ought to concentrate on fundamental subjects including inorganic, organic, and physical chemistry. Create a Study Schedule: Along with other disciplines, students should schedule time for chemistry on a daily or weekly basis. This guarantees that all subjects are covered and aids in scheduling study time. It's critical to adhere as closely as possible to the timeline. Focus on Concepts: The key to chemistry is conceptual comprehension. Students should comprehend why things happen the way they do, not just memorize facts. For instance, understanding the causes of energy shifts in processes is essential to thermodynamics. Use NCERT Textbooks: Chemistry textbooks from NCERT are required for Class 12. They are clearly written and provide good coverage of the course. Each chapter should be carefully read by students, who should focus on definitions, key ideas, and examples. Take Notes: Students should take their own notes while they are learning. It is easier to revise later when important ideas, formulas, and reactions are written down. Complex subjects are simpler to recall when they are summarized in their own terms. Practice Numerical Problems: Numerical issues are common in subjects like physical chemistry. Students who practice frequently gain a deeper understanding of ideas. They ought to concentrate on subjects like thermodynamics, chemical kinetics, and stoichiometry. Study Reaction Mechanisms: It is essential to comprehend reaction processes in organic chemistry. Students should concentrate on how and why reactions happen rather than learning them by heart. This method facilitates the application of knowledge to various issues. Solve Previous Year Papers: It is quite beneficial to practice past years' question papers. It helps students manage their time during the test and provides them with a sense of the kinds of questions that are frequently asked. Weak areas can be found by analyzing their performance. Take Mock Tests: Mock exams mimic the setting of an actual exam. Regularly taking them enhances accuracy and spontaneity. Students should examine their errors to determine where they went wrong after every test. Join Study Groups: Learning can be more fun when done with friends or fellow students. Group conversations can help students have their questions answered and expose them to various viewpoints on the same subject. Stay Healthy: A sharp intellect is a result of a healthy body. Students should obtain enough sleep, consume a healthy diet, and exercise frequently. Maintaining focus while studying also requires drinking enough water. Revise Regularly: It's crucial to schedule frequent revision time. To reinforce their learning, students should often review their notes and key ideas. Stay Positive and Motivated: An optimistic outlook can have a significant impact on preparation. Rewarding minor victories along the road keeps motivation levels high. Maintaining attention requires reminding oneself of one's objectives. Toughest Chapter in Chemistry Class 12 Students should need to be aware of the tough chapters in Chemistry Class 12 that are stated below: Chemical Kinetics What It Involves:The speed of chemical reactions and the variables influencing this speed are the main topics of this chapter. Challenges: Concepts like reaction rates, the impact of temperature and concentration on these rates, and the intricate mathematical formulas required to derive rate laws are frequently difficult for candidates. Thermodynamics What It Involves: The concepts of energy changes during chemical reactions are covered in this chapter. Challenges: It might be difficult to understand ideas like Gibbs free energy (energy available to accomplish work), entropy (disorder), and enthalpy (heat content). Candidates must understand the connections between these ideas and apply them to a variety of chemical processes. Aldehydes, Ketones, and Carboxylic Acids What It Involves:The characteristics, processes, and reactions of various organic molecules are discussed as it is considered as the most difficult chapter in chemistry class 12. Challenges:It is necessary to fully memorize and comprehend the chemical behavior of these substances because the different reactions (such as nucleophilic addition) and their mechanisms might be complex. Biomolecules What It Involves: The structures and roles of important macromolecules, including proteins, carbohydrates, and nucleic acids, are covered in this chapter. Challenges: For many students, this chapter is very challenging because of the intricacy of the structures and the range of functions found in biological systems. Coordination Compounds What It Involves: Compounds created when metal ions coordinate with ligands are covered in this chapter. Challenges:Because of the abstract nature of the ideas, it can be difficult to understand coordination numbers, ligand characteristics, and theories like Crystal Field Theory (CFT) and Valence Bond Theory (VBT). Easiest Chapter in Chemistry Class 12 Students can check Class 12 Chemistry easy chapters below: Some Basic Concepts of Chemistry What It Involves:The foundation for stoichiometry, which is the study of the quantities of reactants and products in chemical processes, is laid out in this chapter. Why It's Easier: Since the ideas are basic and usually just need simple computations, most students can understand them. Hydrogen What It Involves:The characteristics of hydrogen and its compounds are covered. It is considered as the easiest chapter in chemistry class 12. Why It's Easier: Hydrogen's characteristics and activities are rather direct, and the reactions it experiences are simpler to learn. P-Block Elements What It Involves:The elements in groups 13 through 18 of the periodic table are covered in this chapter, with an emphasis on their characteristics and compounds. Why It's Easier:Many students find it easier to understand the patterns in characteristics, especially when they are connected to the periodic table, even though some reactions may be complex. Solid State What It Involves: The structure and characteristics of solids, including different kinds of crystal lattices, are examined in this chapter. Why It's Easier:This chapter looks at the properties and structure of solids, including several types of crystal lattices. How to Study Inorganic Chemistry When it comes to Inorganic Chemistry, a lot of students make a mistake by neglecting it. But the scoring subject shouldnt be overlooked as it will impact the overall score. Here are some of the valuable tips for preparation for Inorganic Chemistry: 1. Start with NCERT Books Use NCERT coursebooks to start your preparation and adhere to the NEET syllabus. It is common that the majority of the NEET questions are taken from NCERT textbooks. Use NCERT books to concentrate on improving your fundamentals. Regular note-taking, including the use of bullet points and key formulas, can greatly aid in the rewriting process. 2. Focus on P, S, F, and D Block Elements: You should concentrate more on the P, S, F, and D Block elements chapters when you are studying for inorganic chemistry. Because the questions in the aforementioned chapters are fact-based, scoring them is much easier. You can respond to inquiries concerning the extraction of metals and a number of inorganic equations if you adequately prepare for those subjects. The application of the periodic table can help you answer the reasoning questions from P, S, F, and D Block elements correctly. So, it is essential to understand the concept behind the periodic table with its usage. 3. Look for the P-Block elements that are high-scoring The student will have a significant advantage if they thoroughly review these areas in order to achieve high grades in Inorganic Chemistry. 4. Focus on Previous Year Papers The number of inorganic chemistry problems in the NEET papers from the prior year is significant. This will not only boost the candidate's self-esteem but also provide a solid understanding of the subject. 5. List out the important formulae Even when preparing every day, the student should make a list of all the key formulas in inorganic chemistry. Long-term use of these formulas will aid in revision and successful performance on practice exams. 6. Choose Concepts over Theory NEET is a conceptual test in which candidates are asked to solve issues using their knowledge. Therefore, your goal should be to use the theoretical information conceptually rather than to acquire it. This also holds true for inorganic chemistry preparation. Finally, the most crucial ability for success in inorganic chemistry is time management. Set up time each day to practice answering topics related to inorganic chemistry. Work on fewer time slots with greater focusconsistentlyrather than preparing too much. Final Thoughts Studying Chemistry for Class 12 requires a well-rounded approach, focusing on understanding key concepts, consistent practice, and effective time management. Whether you're tackling Inorganic Chemistry, Organic Chemistry, or Physical Chemistry, it's essential to build a solid foundation with NCERT textbooks, take regular notes, and practice problem-solving. Identifying and focusing on challenging chapters, such as Chemical Kineticsor Thermodynamics, will help you strengthen weak areas, while easier chapters like Hydrogenand Solid Stateprovide confidence. Remember, maintaining a healthy lifestyle, staying positive, and managing stress will keep your mind sharp and ready for success. With dedication, right strategy and assistance of Online Tuition Classes, you'll be well-equipped to excel in Class 12 Chemistry.

How to study chemistry effectively class 12. Self studying chemistry. How to self study chemistry class 11.

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