

CHEMISTRY CHAPTER 4 TEST ANSWERS

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What is the 4th chapter of chemistry? NCERT Solutions for Class 11 Chemistry Chapter 4 Chemical Bonding and Molecular Structure.

How do the charge and mass of a neutron compare to the charge and mass of a proton? Unlike protons and electrons, which are electrically charged, neutrons have no charge—they are electrically neutral. That's why the neutrons in the diagram above are labeled n⁰. The zero stands for "zero charge". The mass of a neutron is slightly greater than the mass of a proton, which is 1 atomic mass unit (amu).

What is the location of the electrons in Thomson's plum pudding? In Thomson's plum pudding model of the atom, the electrons were embedded in a uniform sphere of positive charge, like blueberries stuck into a muffin. The positive matter was thought to be jelly-like, or similar to a thick soup.

How can there be more than 1000 different atoms when there are only about 100 different elements? How can there be more than 1000 different atoms when there are only about 100 different elements? Each element may have several different isotopes.

What is the hardest chapter in chemistry? Ans. The toughest chapter in Chemistry is Equilibrium as this chapter involves complex concepts like the equilibrium constant, Le Chatelier's principle, and factors affecting equilibrium, etc.

What are the 4 basics of chemistry? Chemistry Basics – Atoms, Molecules, Elements, Compounds, and Mixtures.

Are neutrons positive or negative? Neutrons have a neutral electric charge (neither negative nor positive) and have slightly more mass than positively charged protons.

How to calculate atomic mass? When figuring out how to calculate the atomic mass of a single atom of an element, add up the mass of protons and neutrons. Example: Find the atomic mass of an isotope of carbon that has 7 neutrons. You can see from the periodic table that carbon has an atomic number of 6, which is its number of protons.

Are electrons positive or negative? Electrons have a negative charge. The charge on the proton and electron are exactly the same size but opposite. Neutrons have no charge. Since opposite charges attract, protons and electrons attract each other.

What is the name of Rutherford's model of the atom? Rutherford's atomic model became known as the nuclear model. In the nuclear atom, the protons and neutrons, which comprise nearly all of the mass of the atom, are located in the nucleus at the center of the atom. The electrons are distributed around the nucleus and occupy most of the volume of the atom.

What are the main features of Rutherford's atomic model? The atom, as described by Ernest Rutherford, has a tiny, massive core called the nucleus. The nucleus has a positive charge. Electrons are particles with a negative charge. Electrons orbit the nucleus.

What are the five atomic models?

What is an element vs atom vs molecule? An atom is made of subatomic particles. An element is the simplest substance. There are many unique elements but they are all different and cannot be broken down any further and still have their own characteristics. A molecule is 2 or more atoms that are chemically bound.

Are there 92 types of atoms? In fact, there are over 100 kinds of atoms. About 92 of them occur naturally, and the others have been made by scientists in the laboratory.

How can you explain that there are only 118 elements but there are millions of compounds? There are 118 different kinds of elements, but millions of compounds because two or more elements join together to form compounds.

What is the toughest question in chemistry? the hardest chemistry question in the entire world-nothing could be considered hard it needs concept clarity which can be provided from various fields however experts consider "organic chemistry" as one of the most difficult subjects in the study of chemistry it is always referred to as the "pre-med killer" questions ...

Which is the easiest chapter in chemistry? The easiest chapters in CBSE Class 12 Chemistry are Solid State, Solutions, Biomolecules, Polymers, and Chemistry in Everyday Life due to their straightforward concepts and factual content.

What is the hardest thing in chemistry?

Can I teach myself chemistry? Chemistry is a logical science that you can teach yourself if you learn some key concepts. You can study these concepts in any order, but it's best to start with the basics since many concepts build on each other. For example, you'll want to begin learning about units, conversion, and how atoms and molecules interact.

How to learn chemistry fast?

What are the 4 laws of chemistry? There are 4 main laws of chemical combinations. They are: law of the conservation of mass, law of constant proportions, law of multiple proportions, and the law of reciprocal proportions.

What is a proton made of? Protons contain two up quarks and one down quark, while neutrons contain one up quark and two down quarks. These quarks are called "valence" quarks to contrast them with the "sea" quarks, which constantly pop in and out of existence inside protons and neutrons.

What color are neutrons? Neutrons, protons, and electrons don't have a color. To see (the color of) an object, its size has to be much larger than the wavelength of light. But these particles are millions of times too tiny.

What are atoms made of? Atoms are composed of particles called protons, electrons and neutrons. Protons carry a positive electrical charge, electrons carry a negative electrical charge and neutrons carry no electrical charge at all.

What are the 4 parts of chemistry? The five primary branches of chemistry are physical chemistry, organic chemistry, inorganic chemistry, analytical chemistry, and biochemistry. Follow the buttons provided below to learn more about each individual branch.

What is the 4th state of matter chemistry? Plasma, the fourth state of matter (beyond the conventional solids, liquids and gases), is an ionized gas consisting of approximately equal numbers of positively and negatively charged particles.

What is the 4th law of chemistry? There are 4 main laws of chemical combinations. They are: law of the conservation of mass, law of constant proportions, law of multiple proportions, and the law of reciprocal proportions.

What is the full form of CH₄ in chemistry? Methane (US: /ˈmɛθeɪn/ METH-ayn, UK: /ˈmiːθeɪn/ MEE-thayn) is a chemical compound with the chemical formula CH₄ (one carbon atom bonded to four hydrogen atoms). It is a group-14 hydride, the simplest alkane, and the main constituent of natural gas.

What is 4 called in chemistry?

What is chemistry short answer? What is chemistry? Chemistry is the branch of science that deals with the properties, composition, and structure of elements and compounds, how they can change, and the energy that is released or absorbed when they change.

How many is 4 in chemistry?

What are two types of changes? Changes are classified as either physical or chemical changes.

What are 5 examples of plasma?

What are the 5 types of matter? States of matter are the categories in which the matter is divided on the basis of their physical properties which they represent. We

can divide them into five states of matter which are solid, liquid, gas, plasma, Bose-Einstein condensate.

What is the first rule of chemistry? The first chemical law is simply the law of conservation of mass. This is Lavoisier's law. The total weight of the products equals the total weight of the reactants.

How many rules are there in chemistry? The Five Laws of Chemical Combination are: Law of Conservation of Mass. Law of Definite Proportions. Law of Multiple Proportions. Gay Lussac's law of Gaseous Volumes.

What is the golden rule of chemistry? 1. In most stable molecules, all the atoms will have filled valence shells. 2. Five- and six-membered rings are the most stable.

What is H and C in chemistry? A hydrocarbon is any of a class of organic chemicals made up of only the elements carbon (C) and hydrogen (H). The carbon atoms join together to form the framework of the compound, and the hydrogen atoms attach to them in many different configurations.

What is Group 4 in chemistry? Group 4 is the second group of transition metals in the periodic table. It contains the four elements titanium (Ti), zirconium (Zr), hafnium (Hf), and rutherfordium (Rf).

What is CH₄ in chemistry? Methane is the simplest of saturated hydrocarbons with a chemical formula CH₄. It consists of four hydrogen atoms and one carbon atom and is the simplest alkane.

What is polymer science and technology? Polymer science is a multidisciplinary field that involves the synthetic polymers, biopolymers, polymer characterization, designing, and fabrication of new innovative products as they are related to a safer and sustainable environment.

What are polymer solutions used for? Polymer solutions are used in producing fibers, films, glues, lacquers, paints, and other items made of polymer materials. Thin layers of polymer solution can be used to produce light-emitting devices. Guar polymer solution gels can be used in hydraulic fracturing ("fracking").

What is an example of a solution polymer? In solution polymerization, a solvent is used, which facilitates heat transfer and reduces the viscosity of the medium. It involves the monomer, initiator, and solvent. Hexane, heptane, toluene, cyclohexane, and other hydrocarbons are used as the solvents in the polymerization of hydrocarbons and their derivatives.

What is the molecular science of polymers? Polymer science or macromolecular science is a subfield of materials science concerned with polymers, primarily synthetic polymers such as plastics and elastomers. The field of polymer science includes researchers in multiple disciplines including chemistry, physics, and engineering.

Is polymer science a good career? Polymer science often helps in the development of higher-quality materials to use for creating everyday items through advanced research. For example, a polymer scientist may develop a new nonstick surface to line cooking pans and create a more convenient cooking experience for consumers.

What does a polymer scientist do? A Polymer Scientist manipulates polymers to create materials with unique properties. As a polymer scientist, you will study large and complex molecules and understand the working of smaller building blocks to form polymers.

Is polymer a plastic? All plastics are polymers, but not all polymers are plastic. Plastic is a specific type of polymer. Plastics are synthetic and do not occur naturally.

What can polymers be used for? Product made from polymers are all around us: clothing made from synthetic fibers, polyethylene cups, fiberglass, nylon bearings, plastic bags, polymer-based paints, epoxy glue, polyurethane foam cushion, silicone heart valves, and Teflon-coated cookware.

Why is polymer science important? Polymer science and engineering is a multifaceted field that plays a crucial role in various industries, such as packaging, automotive, textiles, and biomedicine. It involves studying and manipulating polymers, which are long-chain molecules made up of repeating units.

How to make polymer solution? Therefore, the best method to prepare solutions is to weight a mass of polymer, then add solvent until the desired volume is reached. Alternatively, concentration can be obtained by weighing. In both cases, complete dissolution and mixing is critical to obtaining good results.

What is a real life example of a polymer? Examples of synthetic polymers include nylon, polyethylene, polyester, Teflon, and epoxy. Natural polymers occur in nature and can be extracted. Examples of naturally occurring polymers are silk, wool, DNA, cellulose and proteins.

What are polymers 3 examples? Natural polymer examples include cellulose, rubber, silk, wool, and so on. Synthetic Polymers: These are the types of polymers that are synthesized through different chemical processes. Synthetic polymer examples include polythene and Teflon.

What is polymer for dummies? The term polymer is a composite of the Greek words poly and meros, meaning “many parts.” Polymers are large molecules made of small, repeating molecular building blocks called monomers. The process by which monomers link together to form a molecule of a relatively high molecular mass is known as polymerization.

What chemical is polymer? Polymers are organic chemicals with a repeating structure. While that sounds simple, these chemicals can get very complex. They can consist of two monomers (dimers), three (trimers), or more. They exist in nature, such as proteins or DNA, or are manufactured, like plastics or nylon.

How to break down a polymer? Polymers are broken down into monomers in a process known as hydrolysis, which means “to split water,” a reaction in which a water molecule is used during the breakdown.

What does polymer technology do? Polymer Technology can be described as the manufacture, processing, analysis and application of long chain molecules. Materials that are typically classified as polymers include: plastics, paints, rubber, foams, adhesives, sealants, varnishes and many more.

Which country is best for polymer science? Germany - Could be called the birthplace of polymers. Their scientists discovered the concept of polymers and

invented many more.

What is the future of polymer science? Well, there are also other organic polymers, and they have some amazing properties. They can conduct electricity, so they're useful in electronics. They can be flexible and so they might be useful for interacting with human tissue for prostheses and other electronic sensors within the body and outside of the body.

What is a PHD in polymer science? The Ph. D. In Polymer Science is considered to be recognition that the recipient has carried out independent and original research at the prevailing advanced level of polymer science understanding.

How to become a polymer scientist? The qualifications you need to become a polymer scientist include research and laboratory experience and a graduate degree. You can start on this career path by earning a master's degree or Ph. D. in chemistry or chemical engineering.

What are the requirements for polymer science? The eligibility criteria for pursuing a Polymer Technology course typically include completing a 10+2 education with a background in Science, specifically Physics, Chemistry, and Mathematics. Some universities may also require candidates to clear relevant entrance exams.

What is the basic of polymer science? Polymers consist of many repeating monomer units in long chains, sometimes with branching or cross-linking between the chains. A polymer is analogous to a necklace made from many small beads (monomers). A chemical reaction forming polymers from monomers is called polymerization, of which there are many types.

What is the use of polymer in technology? The recent developments of Polymer Technology have revolutionized the field of material science increasing the use of polymer based substances from building materials to Packing materials, Fancy decoration articles, Electrical engineering, Communications, Automobile, Aircrafts, etc.

Why study polymer science? An undergraduate degree in polymer science will prepare you for a career in any number of industries—from aerospace to biomedical

to packaging and more—or to take your education further with an advanced degree.

Where can a polymer technology work? Common Job Titles for Polymers Graduates Students who complete the polymer science track work in a wide variety of chemistry and engineering roles within the life sciences, pharmaceutical, cosmetics, paint, performance clothing and shoes, and construction materials sectors as well as peripheral sectors.

What is the 3 foot 5 foot rule in home staging? The 3-Foot 5-Foot Rule: Detailing at Every Distance This includes processing elements like the room layout, color scheme and more oversized decorative items. A room that is staged using the 3-foot 5-foot rule will have a cohesive design that pulls a potential buyer in and up-close details that maintain their interest.

What is the staging show on HGTV? Staged to Perfection | HGTV.

Does staging a home really work? Staging helps buyers visualize themselves in a particular home while also helping properties garner higher prices than non-staged homes, according to the Real Estate Staging Association. And in a recent survey by the National Association of Realtors, more than 25 percent of Realtors said staged homes sell faster.

Do homes sell faster with staging? The answer is a resounding yes, according to a number of studies and real estate experts. One of the most comprehensive studies on home staging is the National Association of Realtors' 2021 Profile of Home Staging. The report found that staged homes, on average, sell faster than non-staged homes.

What makes a home stand out when selling? Focus on making a good first impression. Think curb appeal and entryways. Could you remove some overgrown shrubs from the front of the house, clean the gutters, or plant a new flower bed? Would the front door benefit from a fresh coat of paint?

What is the 3x House rule? The Total Price of the Home Should be No More than 3x Your Gross Annual Income. This is the easiest way to determine what your max budget on a home should be when you are shopping. It takes into consideration down payment percentage and helps to prevent you from thinning out your budget

for other life needs.

What HGTV show was canceled? HGTV's 'Good Bones' Coming to an End After Season 8: Why The Show Was Canceled. Mina Starsiak Hawk and her mom, Karen E Laine, launched their home renovation company, Two Chicks and a Hammer, in Indianapolis, Indiana, seven years before their HGTV show, Good Bones, premiered in 2016.

What happens to the staging furniture on HGTV? An HGTV rep reportedly told the website: "The homeowners always pay for the renovation and they are given the opportunity to purchase the furnishings and décor used for the staging. What they don't purchase is removed from the home." So there you have it!

Do people pay for HGTV show renovations? On the contrary, homeowners have to come up with the money for the projects. While HGTV doesn't front the bill, Betsy says that the network does, at times, contribute construction funds to help enhance and speed up projects for television.

What is the disadvantage of home staging? Home Staging Can Be Expensive For instance, you may need to rent furniture and decorative items, hire a professional stager, and possibly undertake minor upgrades like painting or flooring. And if your home doesn't sell and stays long on the market, the cost of renting furniture will quickly add up.

Can you keep the furniture from a home staging? Staging furniture is rented from a company, and typically not included in a home purchase. If there are specific furniture items you want, the staging company may be open to selling it to you, or at least let you know the brand or store it was purchased from.

Is it better to stage a house or leave it empty? Staging makes your home more attractive to potential buyers, which can help it sell faster and for more money. Ninety-five percent of staged homes sell in 11 days or less, which is 87% faster than non-staged homes. They also sell for an average of 17% more, so you could recoup the cost of staging and then some.

What month is the best to sell a house? Here's how each month of the year ranked for the best time to sell a house. The highest-earning months are, in ranking

order, May, June, April and March. Just over 18 million purchase transactions took place during this period, according to ATTOM.

Do homes sell better with or without furniture? Enhances appeal and selling power A furnished home can enhance and increase the appeal of the property by showing potential buyers a different idea of how a room might be used.

What percent of sellers/agents spend their own money staging homes? The average cost of home staging is between 1% and 3% of the home's asking price. 38% of seller's agents said that they stage all their clients' homes before listing them for sale. The cost of home staging can range from \$500 to \$5,000 or more, depending on the size of the home and the extent of the staging.

What sells a house most? Focus on curb appeal. It's incredible what a tidy lawn and freshly mulched flower beds can do for a house. Most buyers will drive by your property before deciding whether or not to take a closer look. A house that looks welcoming from the street stands a much better chance of selling quickly.

What is the biggest selling point of a house? Know the two hot spots The rooms buyers most closely inspect (and judge) in a house are the kitchen and master bath. These are the interior spaces where the most value can be added during a sale, so they need to look their best.

What brings up the value of a house? Add usable square footage Adding a bathroom, a great room or another needed space to a home can increase function and add value. A separate in-law suite can also be a smart idea. "Most homes do not have this feature," says Ross, "so adding one sets you apart from the competition when it is time to sell."

What price should I buy a house for if I make 60000 a year? The 28/36 rule holds that if you earn \$60k and don't pay too much to cover your debt each month, you can afford housing expenses of \$1,400 a month. Another rule of thumb suggests you could afford a home worth \$180,000, or three times your salary.

What is the 50 30 20 rule? The 50-30-20 rule recommends putting 50% of your money toward needs, 30% toward wants, and 20% toward savings.

What is the rule of 72 in real estate? Here's how it works: Divide 72 by your expected annual interest rate (as a percentage, not a decimal). The answer is roughly the number of years it will take for your money to double. For example, if your investment earns 4 percent a year, it would take about $72 / 4 = 18$ years to double.

What is the 3 foot rule in real estate? It simply means that you should talk real estate to every person that comes within three-foot of you. I have also been teaching this technique to people in sales of other industries for many years, and I might say with great results.

What is the 5 foot rule for square footage? According to the ANSI Guideline, to be included in the finished square footage count, rooms/spaces/areas are supposed to have a ceiling height of at least seven feet for over half of the space, and no portion of the finished area can have a ceiling height of less than 5 feet.

What is the slow home rule for living room design? Decorate slowly with meaningful things. Take time to find, restore, and collect things that will make your home beautiful in a way that's unique and special to you. Frame photos that tell your story, or mementos from places you've been. Clean up your grandparent's antique treasures if they bring back good memories.

What is the rule of thirds home?

What is the 4 3 2 1 real estate strategy?

Why is there a 70% rule in real estate? The 70% rule can help flippers when they're scouring real estate listings for potential investment opportunities. Basically, the rule says real estate investors should pay no more than 70% of a property's after-repair value (ARV) minus the cost of the repairs necessary to renovate the home.

What is the golden rule in real estate? Corcoran's Golden Rule: a 2-Step Strategy
Her golden rule is made up of two parts. The first part is good advice for any real estate purchase: make a 20% down payment. The second part is renting the property out to tenants for enough to cover the mortgage, even if you don't profit initially.

What is the 20 square feet rule? A project that disturbs six square feet or less of interior painted surface or twenty square feet or less of exterior painted surface is not considered a "renovation" under the Rule. It is considered a minor maintenance and repair activity.

What is the 3 4 5 square rule?

Is 1500 square feet too small? For many, a 1,500 square foot house might seem like a small home, but you can still fit in 2-3 bedrooms, making it the ideal house for a couple or small family.

What is the 60 40 rule in interior design? The “60/40 rule” here comes down to furniture and floor space. Instead of overstuffing a room with pieces or going way too minimal, you should aim for about 60% of the room to be filled with furniture and 40% of it to be clear to give your eye a visual break from stuff.

When decorating a living room where to start?

How to decorate when you have no style? Start with colours in the walls or maybe just a feature wall/chimney breast of colour and then buy accessories to match that. It's your home, at the end of the day and few ever really look like they don't on Pinterest! You could try an AI room app where you take a photo of your room and then it generates the design.

What is the 2 3 rule for sofas? Victoria Foster, interior stylist at ScS, continues explaining the living room layout fix, 'When applied to key pieces of furniture such as a sofa, the rule typically means a sofa should be no longer than two-thirds of the length of the wall that it is positioned along.

What is the 3-5-7 rule in decorating? And that's where the “3-5-7 Rule” comes into play, which essentially means styling with odd numbers to create an asymmetric but still visually pleasing arrangement of things. Maybe you've heard groupings of three can be more visually pleasing to the eye and memorable than perfectly symmetric arrangements.

What is the 2 3 rule in decorating? You've probably heard of the 2:3 rule, otherwise known as the 'golden ratio'. Ideally, every room should follow this. Start by

dividing a room into two sections – the larger one should measure 2:3 of the space, and be the area for big pieces of furniture such as your sofa, bed or dining table.

What is mathematics for business and economics? Description: Linear equations and inequalities, matrices, systems of linear equations, and linear programming; sets, counting, probability and statistics; mathematics of finance; applications to business and economics.

What is the difference between mathematical economics and mathematics for economics? Much of classical economics can be presented in simple geometric terms or elementary mathematical notation. Mathematical economics, however, conventionally makes use of calculus and matrix algebra in economic analysis in order to make powerful claims that would be more difficult without such mathematical tools.

What is maths for economics Oxford? Maths for Economics provides a comprehensive and solid foundation in core mathematical principles and methods used in economics, beginning with revisiting basic skills in arithmetic, algebra, equation solving, and slowly building to more advanced topics.

Which math for economics? Economists use math to research or interpret market trends. Students who study microeconomics will need linear algebra, calculus, and geometry. Microeconomics uses mathematics to highlight phenomena or draw graphs to represent human actions. Investopedia requires writers to use primary sources to support their work.

Is business economics math heavy? Math and statistics are used in economics, but at the undergraduate degree level, the math and statistics are certainly not overwhelming. Economics majors are usually required to take one statistics course and one math course (usually an introductory calculus course).

What math is used in business math? Mathematics typically used in commerce includes elementary arithmetic, elementary algebra, statistics and probability. For some management problems, more advanced mathematics - calculus, matrix algebra, and linear programming - may be applied.

Why do you study mathematical economics? Mathematics helps economists to perform quantifiable experiments and create models for predicting future economic growth. Advances in computing power, large-data techniques, and other advanced mathematical technologies have played a major role in making quantitative methods a fundamental aspect of economics.

Is mathematical economics a good degree? This combination of mathematics, statistics, and economics knowledge makes Mathematical Economics majors highly competitive in the job market and excellent candidates for graduate school.

Is economics a hard course? Economics courses at the college level can be challenging since students are expected to understand new concepts such as supply and demand, scarcity, diminishing returns, and opportunity costs. To succeed, you'll need to develop both your critical thinking skills and your vocabulary.

Is economics maths tough? Economics is the hardest (most formal/mathematical) social science. Not as rigorous (hard) as natural sciences, but we have borrowed some of the mathematical apparatus from physics and engineering.

What is the basic mathematics in economics? The types of math used in economics include algebra, calculus, statistics, differential equations, and geometry.

Do economists use math? An economist may use mathematics alongside other methods and tools and techniques, such as data harvesting and computer algorithms.

What level of math is used in economics? Although economics graduate programs have varying admissions requirements, graduate training in economics is highly mathematical. Most economics PhD programs expect applicants to have had advanced calculus, differential equations, linear algebra, and basic probability theory.

Do economists use calculus? Function. Economic research often uses calculus to examine functional relationships. An example includes the relationship between the dependent variable income and various predictors, or independent variables, such as education and experience.

Who is the father of mathematical economics?

Can I do economics if I'm bad at math? Economic principles require mathematics by nature but majoring in econ does not mean that you have to know every mathematical theory out there, you will only need a basic understanding.

What's harder, finance or economics? As a finance degree heavily depends on financial analysis and modeling, students may find the material more difficult if they struggle with mathematical concepts. However, students seeking an economics degree might have difficulty understanding abstract ideas like economic theory and policy analysis.

Do I need calculus for economics? Economics courses frequently use math techniques at a level beyond MATH 1110. Statistics and econometrics classes use material from integral calculus (MATH 1120), and core microeconomics, core macroeconomics, and many advanced electives use material from multivariable calculus (MATH 2130 or MATH 2220).

Is business math difficult? In terms of the difficulty of mathematical requirements, a business administration degree indeed requires students to engage with mathematical concepts. However, compared to the math used in disciplines like engineering or physics, this math is typically not as difficult.

What math is most useful for business? Business Calculus Calculus is used in business to determine cost and rates of change in order to maximize profit while minimizing expenditure. Here are some of the mathematical subjects covered in a business calculus course: Derivatives.

Is there algebra in business math? Business Math with Algebra is a course that will enable students to make sound financial decisions dealing with personal or business financial management issues.

What does mathematics do in economics? Mathematics helps economists to perform quantifiable experiments and create models for predicting future economic growth. Advances in computing power, large-data techniques, and other advanced mathematical technologies have played a major role in making quantitative methods a fundamental aspect of economics.

What are the application of business mathematics in economics? Businesses use math to track income and expenses, prepare financial statements, and make informed decisions about where to allocate their resources. Another reason math is used in business is to make calculations and predictions.

What math is for business? Business majors often take a specialized course in calculus that focuses on the subject's applications in a business environment. Calculus is used in business to determine cost and rates of change in order to maximize profit while minimizing expenditure.

Why do we study mathematics and economics? A degree combining these two strongly related disciplines gives you the opportunity to study both economics and mathematics in depth and enables you to acquire the technical aptitude and analytical skills to proceed to a successful career in finance, business and many other fields or to proceed to further study.

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