

Chapter 1 : CBSE Class 10 Biology Syllabus for - 19 Board Examination

We understand and hence we have arranged the NCERT science book class 10 solutions chapter-wise for you to go one-by-one and gain confidence as you go along. Currently, the solutions are in image format for easy sharing and viewing by students.

As previously stated, Environment Science part is covered in the Biology syllabus. So we have total three subjects in Science subject, Physics, Chemistry and Biology. The first unit has total five chapters. The first chapter is about the chemical reactions and equations in which we will learn about the how to write chemical equations and balance them. Also, we will learn about the various types of chemical reactions. In the second chapter, we will learn about the various types of acids, bases and salts and their reactions with metals and non-metals. The third chapter will take us to the world of metals and non-metals where we will learn about their properties and reactions among them. In the fifth chapter, we will learn about the classification of elements and their evolution. The Second unit consists of four chapters that are from sixth to ninth. The sixth chapter is about the various life processes which human need for their survival. In the seventh chapter, we will talk about the parts of the human body which are engaged in control and coordination activities. The eighth chapter deals with reproduction activities in unicellular and multicellular organisms. The ninth chapter, we will learn how the offsprings look alike. The third unit is How things works which have four chapters. In the tenth chapter, we will learn about light and its phenomena reflection and refraction in a detailed manner. The twelfth chapter deals with the electricity in which we will learn electric circuit and resistance. In the thirteenth chapter, magnetic effects of electric current and its applications. The fourth unit has three chapters in it. The fourteenth chapters talk about the various sources of energy such as conventional and non-conventional sources. The fifteenth chapter is about our environment in which we will learn about the eco-systems, food chains and how human activities contribute in degrading its quality. The last chapter is about the conservation of natural resources.

Chapter 1 - Chemical Reactions and Equations The chapter has total 20 questions. The first three questions are of objective type. The question number sixth, seventh and eight is of balancing the equation types questions. Rest are short answer questions. Chapter 2 - Acids, Bases and Salts The exercises contain total fifteen questions of which first four are of objective type. In the fifth question, we have to write balanced equation of the given reactions. Remaining questions are of short answer type. Chapter 3 - Metals and Non-Metals There are total 16 questions in the chapter. First four questions are of objective type. Remaining questions are of short and long answer type. Chapter 4 - Carbon and its Compounds There are fifteen questions in the chapter. First three questions are of objective type. In the fifth question, we have to draw electron dot structures. Chapter 5 - Periodic Classification of Elements There are ten questions in the chapter. First two questions are of objective type. In the third question, we have to name the elements as per the questions asked. Rest questions are of short answer type. Chapter 6 - Life Processes There are total thirteen questions in the chapter of which first four questions are of objective type. In the question number eighth, twelfth and thirteenth, we have to differentiate between the given two topics. Chapter 7 - Control and Coordination There are total 12 questions in the chapter. In the last two questions, we have to differentiate between the given two topics. Chapter 8 - How do Organisms Reproduce? There are eleven questions in the chapter. In the seventh question, we have to draw a labelled diagram of the longitudinal section of a flower. Other questions are of short and long answer type. Chapter 9 - Heredity and Evolution There are total twelve questions. Chapter 10 - Light- Reflection and Refraction There are seventeen questions in the chapter. First five questions are of objective type. In the eighth question, we have to tell the name of the mirror used in specific situations. Rest questions are of short and long answer type. Chapter 11 - Human Eye and the Colourful World The chapter has thirteen questions of which first four are of objective types. Chapter 12 - Electricity There are eighteen questions in the chapter. Most are numerical questions and rest questions are short answer type. Chapter 13 - Magnetic Effects of Electric Current This chapter has total eighteen questions of which first five questions are of objective type. In the eleventh question, we have to draw a labelled diagram of an electric motor. Chapter 14 - Sources of Energy The question has total ten questions. In question

number four and five, we have to differentiate between the given two topics. Chapter 15 - Our Environment There are nine questions in the chapter of which first three questions are of objective type. Chapter 16 - Sustainable management of Natural Resources The chapter has seven questions. All questions are of short and long answer type.

Chapter 2 : NCERT Solutions for Class 10 Science Chapter 6 - Life Processes

Get percent accurate NCERT Solutions for Class 10 Science Chapter 6 (Life Processes) explained by expert Science teachers. We provide step by step solutions for the questions given in Class 10 Science textbook as per CBSE Board guidelines from the latest NCERT book for Class 10 Science.

Materials 30 Periods Unit I: Chemical Substances - Nature and Behaviour Chemical reactions: Chemical equation, Balanced chemical equation, implications of a balanced chemical equation, types of chemical reactions: Acids, bases and salts: Metals and non metals: Properties of metals and non-metals; Reactivity series; Formation and properties of ionic compounds; Basic metallurgical processes; Corrosion and its prevention. World of Living Life processes: Basic concept of nutrition, respiration, transport and excretion in plants and animals. Control and co-ordination in animals and plants: Tropic movements in plants; Introduction of plant hormones; Control and co-ordination in animals: Nervous system; Voluntary, involuntary and reflex action; Chemical co-ordination: Effects of Current Electric current, potential difference and electric current. Series combination of resistors, parallel combination of resistors and its applications in daily life. Heating effect of electric current and its applications in daily life. Magnetic effects of current: Induced potential difference, Induced current. Advantage of AC over DC. Natural Resources 08 Periods Unit V: Natural Resources Sources of energy: Different forms of energy, conventional and non-conventional sources of energy: Fossil fuels, solar energy; biogas; wind, water and tidal energy; Nuclear energy. Renewable versus non-renewable sources of Energy. Chemical Substances - Nature and Behaviour Theme: Materials 25 Periods Carbon compounds: Covalent bonding in carbon compounds. Versatile nature of carbon. Nomenclature of carbon compounds containing functional groups halogens, alcohol, ketones, aldehydes, alkanes and alkynes , difference between saturated hydrocarbons and unsaturated hydrocarbons. Chemical properties of carbon compounds combustion, oxidation, addition and substitution reaction. Ethanol and Ethanoic acid only properties and uses , soaps and detergents. Periodic classification of elements: Need for classification, Modern periodic table, gradation in properties, valency, atomic number, metallic and non-metallic properties. World of Living Reproduction: Reproduction in animals and plants asexual and sexual reproductive health-need and methods of family planning. Natural Phenomena Reflection of light by curved surfaces; Images formed by spherical mirrors, centre of curvature, principal axis, principal focus, focal length, mirror formula Derivation not required , magnification. Refraction; Laws of refraction, refractive index. Refraction of light by spherical lens; Image formed by spherical lenses; Lens formula Derivation not required ; Magnification. Power of a lens; Functioning of a lens in human eye, defects of vision and their corrections, applications of spherical mirrors and lenses. Refraction of light through a prism, dispersion of light, scattering of light, applications in daily life. Natural Resources 12 Periods Unit V: Natural Resources Conservation of natural resources. Management of natural resources. Conservation and judicious use of natural resources. Forest and wild life; Coal and Petroleum conservation. Sustainability of natural resources. Eco-system, Environmental problems, Ozone depletion, waste production and their solutions. Biodegradable and non-biodegradable substances.

Chapter 3 : Study and Master Life Science Grade 10 Learner Book

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Chapter 8 : Ncert Solutions Pdf: Class 10 Science - Chapter 6 Life Processes

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