



PHYSICS

BOOKS - NAVNEET SCIENCE (HINGLISH)

COMPLETE THE PARAGRAPH

Heredity And Evolution

1. (translation, anticodon, tRNA, ,mRNA,' amino acids, triplet codon, transcription, DNA)

The formed in nucleus comes in cytoplasm. It brings in the coded message from The message contains the codes for amino acids. The code for each amino acid consists of three nucleotides. It is called as '.....'. Each mRNA is made up of thousands of triplet codons. As per the message on mRNA, are supplied by the For this purpose, tRNA has '.....' having complementary sequence to the codon on mRNA. This is called '.....'.

2. (Cultural, agriculture, fire, brain, Cro-Magnon, Homo sapiens, Neanderthal)

Evolution of upright man continued in the direction of developing its for the period of about 1 lakh years and meanwhile he discovered the Brain of man, 50 thousand years ago had been sufficiently evolved to the extent that it could be considered as member of the species man can be considered as the first example of wise-man. The

..... man evolved about 50 thousands years ago and afterwards, this evolution had been faster than the earlier. About 10 thousand years ago, wise-man started to practice the It started to rear the cattle-herds and established the cities. development took place later.



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Life Processes In Living Organisms Part I

1. (genetically, recombination, gamete, crossing over, haploid, diploid, Meiosis-II, meiosis-I, zygote)

..... is just like mitosis. In this stage, the two haploid daughter cells formed in undergo division by separation of recombined sister chromatids and four daughter cells are formed. Process of production and spore formation occurs by meiosis. In this type of cell division, four haploid (n) daughter cells are formed from one cell. During this cell

division, occurs between the homologous chromosomes and thereby genetic occurs. Due to this, all the four daughter cells are different from parent cell and from each other too.



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2. (ATP, mitochondria, external, internal, inhalation, alveolar, breathing, respiration exhalation is called When Is done, air enters the lungs. The

oxygen from this air enters the blood while carbon dioxide from the blood exits from the blood. Through exhalation, CO_2 is given out. This gaseous exchange occurs through membrane. This is called respiration. The RBCs carry oxygen to every cell. Here inside the tissue respiration or respiration takes place. The oxygen is used for production of energy. By oxidation of food nutrients energy is released in the form of



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Life Processes In Living Organisms Part II

1. Complete the paragraph with the help of words given in the bracket :

(Luteinizing hormone, endometrium of uterus, follicle stimulating hormone, estrogen, progesterone, corpus luteum, Ovarian follicle along with oocyte, ectometrium of uterus)

Growth of follicles present in the ovary occurs under the effect of This follicle secretes estrogen. grows / regenerates under the effect of estrogen.

Under the effect of, fully grown up follicle bursts, ovulation occurs and is formed from remaining part of follicle. It secretes and Under the effect of these hormones, glands of are activated and it becomes ready for implantation.



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Environmental Management

1. (conserving, pledge, biodiversity, judicious, wildlife, mankind, diversity, destruction)

I am aware that theon the Earth is for the existence of me, my family and the entire I am aware about the responsibility of and protecting the rich diversity. I am aware about the fast-declining number of, plants and animals. I am accepting the responsibility of use of natural resources and management of I for adopting the following principles for happy

and satisfactory life of all organisms on the Earth.



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Two Ards Green Energy

1. (marginal, array, cell, panel, string, current, power station, potential difference).

Many solar panels are connected in series and in parallel to generate requiredand.....Solar.....is the

basic unit in solar electric plant. Many solar cells come together to form a solar Many solar panels connected in series form a solar, and, many solar strings connected in parallel form a solar As we can obtain as much electrical power as needed, they are used in applications which need power (e.g. calculators that run on solar energy) to of MW capacity.



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Animal Classification

1. (Linnaeus, Dobzhansky, Carl Woese, Theophrastus, Artificial method, Aristotle, Natural system, Traditional system)

Time to time, different scientists have tried to classify the animals. Greek philosopherwas the first to perform the animal classification. Aristotle classified the animals, according to the criteria like body size, habits and habitats. Classification proposed by Aristotle is known as

Besides Aristotle, artificial method of classification was followed by, Pliny, John Ray and Later on, '.....of classification' was followed. Natural system of classification was based on various other criteria. By the time, system of classification based on evolution was also brought into practice. It was used by and Meyer. Recently, has also proposed the animal classification.



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Introduction To Microbiology

1. (Nocardia, Geobacter, Ideonella sakaiensis, Pseudomonas, Alcanouorax borkumensis, hydrocarbonoclastic, Acidophillium, streptomyces)

Bacteria like Spp. And have the ability to destroy the pyridines and other chemicals. Hence, these bacteria are used to clear the oil spills. These are called bacteria. It has been observed that species like Vibrio, can

decompose the PET. Similarly, species of fungi like have ability of decomposing rubber from garbage. Sulphuric acid is source of energy for some species of bacteria like Hence, these bacteria can control the soil pollution occurring due to acid rain. convert the salts of uranium into insoluble salts.



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Cell Biology And Biotechnology

1. (degenerated, red bone marrow, adipose connective tissue, blastocyst, umbilical cord, Differentiation in bones)

.....of stem cells form can form various tissues in the body. Stem cells are present in the by which the foetus is joined to the uterus of the mother. Stem cells are also present in the stage of embryonic development. Stem cells are present in and of adult human beings. It has become possible to produce different types of tissues and the

..... part of any organ with the help of these stem cells.



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Social Hygiene

1. (lungs, heart, carcinogenic, nervous, intoxicating, hazardous, addictions, peer-group, useful)

The children fall into the trap of
either due to Pressure or due to

false symbol of high standard living. Sometimes they try to imitate their elders. The addictive substances are, and they cause long term effects. Some are temporarily substances obtained from the plants. While some of the chemical ingredients in them can permanently damage the human system, muscular system,, etc. Some tobacco like substances are in action especially on the mouth and



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Disaster Management

1. (Capability, Rehabilitation, Commodities, Human, objectives, normalcy, amusements)

Theof disaster management comprise of the following aspects.

life is saved from the disasters. People are helped to move away from the place of disasters. They are given essential

by the government so that the gravity of disaster is reduced. The disaster conditions are brought back to of

the affected and displaced victims is done. Moreover, protective measures for future are also planned to develop among the people to face any possible disasters in future.



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