



# PHYSICS

## BOOKS - NAVNEET SCIENCE (HINGLISH)

### TRUE/FALSE

#### Heredity And Evolution

1. It takes thousands of years for a wooden basket to disappear. True/False



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## Life Processes In Living Organisms Part 1

1. Glucose is oxidised step by step in the cells during the process of respiration at the body level.



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2. In aerobic respiration, glucose is oxidised in three steps.



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3. Gluconeogenesis is also called Embden-Meyerhof-Parnas pathway.



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4. Molecules of pyruvic acid formed in this glycolysis are converted into molecules of Acetyl-Coenzyme A.



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5. Excess of ATP molecules obtained from proteins are not stored in the body.



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6. Proteins of animal origin are called 'first class' proteins.



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7. The disease related with the deficient synthesis of insulin is heart disease.



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1. Absence of genetic recombination is an advantage whereas rapidity of the process is a drawback of asexual reproductive method.



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2. Prokaryotes show fission which occurs either by mitosis or amitosis.



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3. During favourable conditions multiple is performed by amoeba.



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4. Any encysted Amoeba or any other protist is called 'Cyst'.



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5. If the body of Sycon breaks up accidentally into only large and few fragments, then only each fragment develops into new sycon.



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6. Pollen tube reaches the zygote via style.



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7. There is glucose sugar in the semen.





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## Environmental Management

1. Only abiotic factors play very important role in the ecosystem.

True/ False



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2. Paddy fields are frequently attacked by grasshoppers.



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3. Environmental pollution is unnecessary and never acceptable change in the surrounding environment. True/False



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4. X-rays and radiations from atomic energy plants are natural radiations. True/False



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5. The person breaching the Environmental Conservation Act is entitled for either one year imprisonment or fine up to \$ 5 lakh. True/False



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6. Many people come together to established a new forest but a single person. If determined can destroy the entire forest! True/False



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7. Flow of nutrients in an ecosystem is unidirectional.



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1. In thermal power plants, the turbines work on solar energy. Is the above statement correct? Justify your answer



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2. How to dispose the nuclear waste safely is a big challenge before the scientists. Why is it so?



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3. The efficiency of power generation using coal plant is higher than that of power generation plant based on natural gas.

True/False



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4. Energy obtained from nuclear fission is eco-friendly because it doesn't pollute the air. Do you agree with the above statement? Why?

Why not?





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5. The kinetic energy is water stored in dam is converted into potential energy of water in a hydropower plant. Do you agree? Why? Why not?.



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**Animal Classification**

1. Greek philosopher Aristotle was the first to perform the animal classification.



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2. Heart if present in the non-chordates is on ventral side of body.



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**3.** Arthropoda animals bear numerous pores on their body.



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**4.** Coelenterate animals have special type of collar cells.



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5. Ascheminthes have acoelomate and bilaterally symmetrical body.



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6. Planet Earth has highest number of animal from phylum Arthropoda.



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7. Animals belonging to phylum Annelida perform locomotion with the help of tube-feet.



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8. Herdmania has notochord in only tail region and hence it is called Urochordate.



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1. Changes in genes of the cells are brought about in non-genetic technique.



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2. Gene from *Bacillus thuringiensis* is introduced into cotton.



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3. High-class varieties of crops have been developed through the technique of transplantation.



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4. Earlier, insulin was being collected from the pancreas of horses.



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5. Malaria arises due to genetic changes in hepatocytes.



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6. The pseudomonas bacteria are useful for cleaning the hydrocarbon and oil pollutants from soil and water.



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7. Various essential elements like N, P, K become available to the crops due to earthworms and fungi.



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8. We do not have any tradition that cures the diseases with the help of natural resources.



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## Assignment

1. The potential difference available from a solar cell is independent of its area.



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2. The power available from the solar cells is AC. True/False



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1. Dr. Har Govind Khorana was awarded Nobel prize for his invention and publication in the journal Radio carbon.

A. True

B. False

C.

D.

**Answer: False**



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2. Mesozoic era was dominated by variety of mammals.



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3. It seems that vertebrates has been slowly originated from invertebrates.



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4. The decaying process of C-14 occurs continuously from the dead remains of living organisms. True/False



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5. The theory of natural selection which mentions 'Survival of Fittest' is given by Lamarck.



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