



# BIOLOGY

## BOOKS - NAVBODH BIOLOGY (HINGLISH)

### DISTINGUISH BETWEEN

#### Genetic Basis Of Inheritance

1. Homozygous and Heterozygous.



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2. Incomplete dominance and Codominance.



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3. Dominant characters and Recessive characters.



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4. Phenotype and Genotype.



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## Gene Its Nature Expression And Regulation

1. Differentiate between DNA and RNA.



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## Biotechnology Process And Application

1. Retrotransposons and DNA transposons.



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## Microbes In Human Welfare

1. Chemical fertilizers and Biofertilizers.



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## Photosynthesis

1. Grana and Stomata.



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**2. Chlorophyll-a and Chlorophyll-b.**



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**3. PS I and PS II.**



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**4. Light reaction and Dark reaction.**



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5.  $C_4$  plants and CAM plants.



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6. Cyclic and Noncyclic photosphorylation.



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7. Bundle sheath chloroplasts and Mesophyll chloroplasts.



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## Respiration

1. EMP Pathway and TCA Cycle.

OR

Glycolysis and Krebs cycle.



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2. Differentiate between alcoholic fermentation and lactic acid fermentation.



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3. Oxidative phosphorylation and Photosynthesis.



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1. Stem tuber and Root tuber.



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2. Stem tuber and Ruberous root.



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3. DIFFERENCE BETWEEN SELF POLLINATION  
AND CROSS POLLINATION



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4. Anemophily and Entomophily.

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## Organisms And Environment I

1. Distinguish between habitat and ecological niche.

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2. Distinguish between primary succession and secondary succession



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## Origin And Evolution Of Life

1. Gene flow and Genetic drift.



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## 2. Ape and Man.



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## 3. Homologous organs and Analogous organs.



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**Chromosomal Basis Of Inheritance**

1. Differentiate between complete linkage and incomplete linkage.



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2. X-and Y-chromosomes.



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3. X-linked genes and Y-linked genes.



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4. Turner's syndrome and Klinefelter's syndrome.



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## Human Health And Diseases

1. Inborn Immunity and Acquired Immunity.



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## 2. Antigen and Antibody.



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## 3. Carcinoma, Sarcoma and Lymphoma.



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# Animal Husbandry

## 1. Sericulture and Lac culture.



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## Circulation

1. Erythrocytes and Leucocytes.



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2. Eosinophils, Basophils and Neutrophils.



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### 3. Hypertension and Hypotension.



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### 4. Difference between Atria and Ventricles.



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## Excretion And Osmoregulation

### 1. Ammonotelism, Ureotelism and Uricotelism.





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2. Proximal convoluted tube and Distal convoluted tube.



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## Control And Coordination

1. Nervous system and Hormonal system.



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## 2. Cerebrum and Cerebellum.



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## 3. Sympathetic and Parasympathetic nervous system.



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## 4. Adenohypophysis and Neurohypophysis.





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5. Dwarfism and Cretinism.



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## Human Reproduction

1. Differences between Oogenesis and Spermatogenesis.



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2. Blastula and Gastrula.



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## Organisms And Environment li

1. Emigration and Immigration.



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2. Natality and Mortality.



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### 3. Competition and Mutualism.



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### 4. Agricultural water pollution and Shipping water pollution.



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