



## PHYSICS

# BOOKS - NAVNEET SCIENCE (HINGLISH)

## ANSWER THE QUESTIONS

### Heredity And Evolution

1. Explain with suitable examples importance of anatomical evidences in evolution.



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2. What were the objections raised against Darwinism?



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3. What do you mean by central dogma?



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4. What is transcription?



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5. What is meant by triplet codon?



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6. How are the hereditary changes responsible for evolution?



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7. Define vestigial organs. Write names of some vestigial organs in human body and write the names of those animals in whom same organs are functional.



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8. What do we call the degenerated or partially developed useless organs in living organisms?

Enlist such organs in human body. How are the same organs useful in other animals?



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## Life Processes In Living Organisms Part 1

1. Write the forms to which the following food materials are converted after digestion :

Milk



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2. Write the forms to which the following food materials are converted after digestion :

Potato



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3. Write the forms to which the following food materials are converted after digestion :

Oil



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4. Write the forms to which the following food materials are converted after digestion :

Chapati



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5. Why some living organisms have to perform anaerobic respiration?



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6. Give two examples of such living organisms.



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7. What are the two steps of anaerobic respiration?



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8. Write main types of vitamins.



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**9.** Name water soluble vitamins.



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**10.** Name fat soluble vitamins.



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**11.** Explain glycolysis in detail.



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**12.** How is energy formed from oxidation of carbohydrates, fats and proteins?



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**13.** Where and in which forms are the amino acids formed after digestion of food used in the body?



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1. If a piece of bread is kept in a container in moist place for 2-3 days, (1) What will you see? (2) Write scientific name and a character of the organism you may observe.



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2. Write an account of multiple fission seen in Amoeba with suitable diagram.



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3. Explain asexual reproduction in plants.



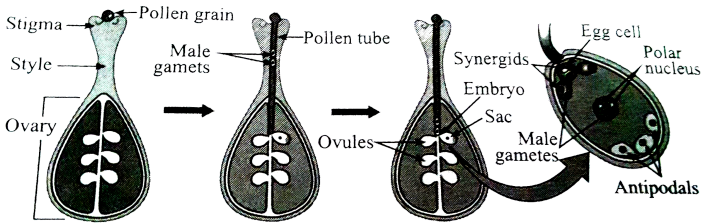
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4. Describe the structure of a flower.



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## 5. Explain sexual reproduction in plants.



**Double fertilization in angiosperms**

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6. Sketch and label human female reproductive system. Is the woman responsible for sex determination of child? Justify your answer?

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7. A couple shall have a male child or female child totally depends upon husband. Prove truthfulness of this statement with scientific reason.



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8. In our country, there seems to be lack of awareness regarding reproductive health. Why? ·



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9. Write the symptoms of disease gonorrhoea.



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10. What precautions will you take to maintain reproductive health?



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**Environmental Management**

1. Reorganize the following food chain.

Describe the ecosystem to which it belongs.

Grasshopper → Snake → Paddy field →

Eagle → Frog



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2. "Solving the problem of pollution is an effective way of environmental management."

Justify the statement.



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3. What will be the effect on paddy crop?



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4. Number of which consumers will decline and which will increase?



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5. Name the Indian states where paddy is cultivated on a large scale.



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6. Write the types and examples of biodiversity.



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## Towards Green Energy

1. What do you mean by green energy? Give examples.





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2. How can we get the required amount of energy by connecting solar panels?



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3. Which fuel is used in thermal power plant?

What are the problems associated with this type of power generation?



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# Animal Classification

1. State any four benefits of classification.



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2. Track the changes in methods of animal classification. How did the methods of animal classification change over time?



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# Introduction To Microbiology

1. How can the oil spills on waters of rivers and oceans be cleaned?



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2. Which plants are cultivated to obtain fuel?



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3. Which fuels are obtained from biomass?



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4. How are the bread and other products produced using baker's yeast nutritious?



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5. What is clean technology?



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6. Why is it essential to ban plastic bags?



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## Cell Biology And Biotechnology

1. Biotechnology is not only beneficial but it has some harmful effects too. Express your opinion about this statement.



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2. Which precautions will you take during spraying of pesticides?

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3. Explain what is DNA fingerprinting? What is the significance of this technique?

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4. Explain in brief DNA fingerprinting. Give two examples where this technique is used.



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## Social Health

1. How is the excessive use of social media and technology proving harmful?



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2. Which factors affect the social health?



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3. Which changes occur in persons continuously using the internet and mobile phones?



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4. Explain the importance of good communication with others.

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## Disaster Management

1. Which are the objectives of disaster management?

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2. State any four objectives of disaster management.



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3. Which different aspects of disaster management would you check for your school? Why?



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4. What are the objectives of mock drill?



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5. Explain in brief the sensitive issues of general public about disaster.



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6. Which are the three aspects of disaster that are important for common citizens?



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7. Explain the role of district disaster control unit after occurrence of any disaster.



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