



# BIOLOGY

## BOOKS - ICSE

### INTRODUCING BIOLOGY [SCOPE AND BRANCHES]

#### Progress Check

1. Name the specific branches of Biology concerned with the study of

# Fungi



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2. Name the specific branches of Biology concerned with the study of  
  
Fishes



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3. Name the specific branches of Biology concerned with the study of

## Insects



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4. Name the specific branches of Biology concerned with the study of

Transmission of body characteristics from parents to children



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5. Mention the kind of study made under the  
branche of science

Histology



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6. Mention the kind of study made under the  
branche of science

Ecology



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7. Mention the kind of study made under the  
branche of science

Cytology



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8. Mention the kind of study made under the  
branche of science

Pathology



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# Review Questions A Multiple Choice Type Choose The Most Appropriate Option In The Following Statements

1. Palaeontology is the study OF

A. embryos

B. blood

C. classification

D. fossils

**Answer:**



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2. Clones of animals are being produced through the practice of

A. genetics

B. ecology

C. embryology

D. biotechnology

**Answer:**



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## Review Questions B Very Short Answer Type

1. Name the following branch of biology

Application of biological processes in technologies.



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2. Name the following branch of biology

Science of growing fruits and vegetables.







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**3. Name the following branch of biology**

Study of prehistoric forms of life.



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**4. Name the following branch of biology**

Study of causes of immunity (resistance to or defence against diseases).



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**5. Name the following branch of biology**

Study of fishes.



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**6. Fill in the blank:**

Bioengineering deals with making artificial

.....



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7. Fill in the blank:

..... is the entire DNA sequence of an organ.



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8. Fill in the blank:

Silk is produced by rearing .....



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**9. Fill in the blank:**

Evolution deals with the study of ..... and ..... of organisms.



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**10. Fill in the blank:**

Organisms which draw food from the host body are called .....



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**11. Fill in the blank:**

Animals which give birth to young ones are known as .....



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**12. Fill in the blank:**

..... is called the Father of Medicine.



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**13.** Match the branches of biology in Column A with the respective areas of study in Column B.

**Column A**

Ichthyology

Ornithology

Ecology

Virology

Herpetology

Palaeontology

Cytology

Pathology

**Column B**

Viruses

Fishes

Birds

Cells

Diseases

Fossils

Snakes

Environment



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**14.** Name any two borderline sciences which are connected with Biology



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**15.** Name the respective sub-divisions of Biology which deal with the study of insects, birds, fungi and heredity.



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**16.** Name some professions other than medicine which require a basic knowledge of Biology.



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## **Review Questions C Short Answer Type**

**1.** What is Biology ? Name and define its three major branches.



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2. How does Biology help us in leading a healthier life ?



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3. A farmer and a housewife may have never studied biology, yet both of them know some of its general principles through experience. State any two principles which they know.



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4. Distinguish between the pair of sciences:

Zoology and Entomology



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5. Distinguish between the pair of sciences:

Genetics and Eugenics



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**6. Distinguish between the pair of sciences:**

Phycology and Mycology



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**7. Distinguish between the pair of sciences:**

Space Biology and Exobiology



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**8. Distinguish between the pair of sciences:**

Biotechnology and Bioinformatics



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**9. Distinguish between the pair of sciences:**

Embryology and Immunology



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**10.** Distinguish between the pair of sciences:

Ichthyology and Pisciculture



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## **Review Questions D Long Answer Type**

**1.** Do you think Biology can help in further increasing the yield of food ? If so, how?



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