



# **BIOLOGY**

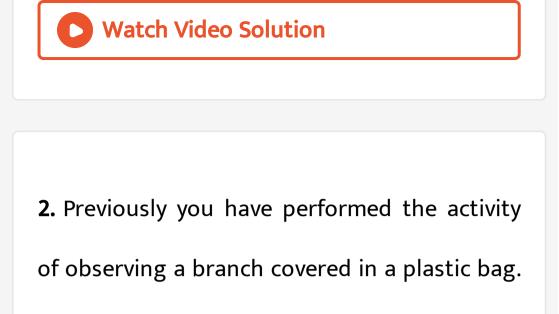
## **BOOKS - BAL BHARTI**

# LIFE PROCESSES IN LIVING ORGANISMS

Can You Recall

1. How do the digestive system and respiratory

system work?



What did you observe in that activity?



Can You Tell

1. Why does this happen?

Leaves of plants fall off in a particular season.

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#### 2. Why does this happen?

Fruits, flowers fall off after a certain period of

time.

**3.** Why does this happen?

Substances like resin, gum, etc. are given out

of the plant body.



#### 4. Which waste products are produced in our

body through metabolic activities?



5. Which waste products are produced in our

body through metabolic activities?



6. How does the process of excretion take

place in humans?



7. Which are the sensory organs of an organism? What is their function?
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8. Where are the gustatory and olfactory

nerves to be found?



1. Why do we eat fruits and vegetables? Do the

plants also need minerals like we do?



2. From where do plants get inorganic substances other than carbon dioxide and oxygen?

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**Use Your Brain Power** 

**1.** Use your brain power

Which type of plant tissues are xylem and

phloem?



2. As compared to the monsoons and winter a

very small quantity of urine is produced in the

summer season. Why is it so?

3. In adults, the process of urination is under

their control but not in infants. Why is it so?



Think About It

1. Use your brain power

At least a small quantity of garbage or waste

is produced every day in each house. What will

happen if you keep this garbage for many days

in your house?



2. Use your brain power

An injury to the medulla oblongata can lead to

death. Why?





#### **1.** Match the pairs and explain.

'A'	'B'
<ol> <li>Growth of pollen tube towards ovule</li> <li>Growth of shoot system</li> <li>Growth of root system</li> <li>Growth towards water</li> </ol>	a. Gravitropic movement b. Chemotropic movement c. Phototropic movement d. Growth-irrelevant movement e. Hydrotropic movement



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2. The milk was on the stove. Resika was engrossed watching television. She smelled something burning. She ran towards the kitchen. The milk was boiling over. She held the vessel with her bare hands but, screaming, she let it go at onec. This activity was controlled by .....cells. Special ends of .....in these cells colected the information, from where it was transfered to the..... and then towards the produced aty the terminal end passed way, ..... were conducted in the body and the process of .....was completed by conducting the impulses from......to..... (Nerve, muscle cell, impulse, dendrite, synapse,

impulses, reflex action, cell body)



**3.** Write short note on Root pressure.



A. Name the hormones of the following endocrine glands and the function of each.
Pituitary, Thyroid, Adrenal, Thymus, Testis, Ovary.

5. Sketch and label the human excretory system.

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**6.** Explain chemical co-ordination in humans and give the names and functions of some hormones.

7. Distinguish between the following :

Excretory system of humans and plants.

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8. Explain co-ordinatin is plants with the help

of suitable examples.



**9.** Explain in your own words with suitable examples:

What is meant by coordination?



### **10.** How does excretion occur in human being?



11. How is excretion in plants useful to human

beings?



# 12. Describe the transportation system in

plants.

