



### BIOLOGY

## **BOOKS - JNAN PUBLICATION**

# MORPHOLOGICAL DIVERSITY AND FUNCTIONS OF LIVING COMPONENTS OF ENVIRONMENT



#### \_\_\_\_ protects the soft root tip from

friction with soil particle when it enter the soil.



**2.** Fill in the blanks:

Rice, corn, grasses have\_\_\_\_\_ root.

An angle formed between leaf and stem, is

called \_\_\_\_\_.



**4.** Fill in the blanks:

The potato which we eat is actually a \_\_\_\_\_

where the plant stores its food for future use.

The part which attaches stem and leaf is

called\_\_\_\_\_.



6. Fill in the blanks:

The flat expanded part of leaf is called\_\_\_\_\_.



Animals differ. In the sensitivity of their

\_\_\_\_\_ organs.



8. Fill in the blanks:

mosquitoes spread malaria.

<b>9.</b> Fill in the blanks:
Cell membranes are called membrane.
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<b>10.</b> Fill in the blanks:
Concentrated salt solution is with
respect to the RBC.
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The stem of a sapling develops from the \_\_\_\_

of an embryo.



**12.** Fill in the blanks:

The roots of a sapling develops from the

\_\_ of an embryo.

<b>13.</b> Fill in the blanks:
Mango is called fruit.
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<b>14.</b> Fill in the blanks:
Custard apple is called fruit.
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Jackfruit is a \_\_\_\_\_ fruit.

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**16.** State whether True or False:

Volatile compounds of human sweat can be

recognized by Anopheles mosquito.



Diffusion is faster at lower temperature.



**18.** State whether True or False:

Excess use of insecticide reduces beneficial

insects like honey bee.

Seed develop form the ovule after fertilization.



**20.** State whether True or False:

A flower consists of three parts.



Application of insecticide is a problem of pollination.



**22.** State whether True or False:

Deforestation of trees like shimul destroy the

shelters of pollinating vectors like bats.

Bats appear when fruits are cut.



**24.** State whether True or False:

Anopheles mosquitoes recognise the volatile

compounds responsible for the sweet smell of

fruits

The spreading of molecules is much faster in

gas than in a solution.

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**26.** State whether True or False:

Tuberculosis bacteria can only reside in lungs

of human.

No bacteria can spoil honey easily.

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#### 28. Match the column A with column B

Column A	Column B
a) In germination of pumpkin seeds	i) compound fruit
b) In germination of mango seed	ii) is a problem of pollination
c) Heat helps to keep our life	iii) the cotyledons break the seed coat
d) Deforestation is a	iv) is called a leaf base
e) Exsess use of insecticide	v) the cotyledons donot come out of the soil
f) Mango is a	vi) simple fruit
g) Jackfruit is the example of	vii) problem of pollination
h) The part which attaches stem and leaf	

### O

29. How does the water goes to leaves of a

tree?



30. How does the prepared food goes to the

lower most parts of plants?

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**31.** Where does plants store the excess food?





32. Which part of plant holds branches, leaves,

flowers and fruits?

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#### 33. How does a plant protect itself from

herbivorous animals?

**34.** On bright sunlight, absorbed water from soil, evaporates through leaf. Which part of plant can prevent it?



**35.** How do Bamboo, Banana and palm propagate and keep their existance on Earth

inspite of not producing flowers and seeds?



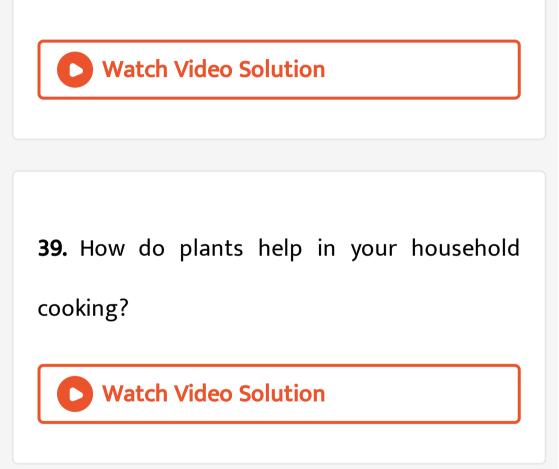
**36.** Puinshak, laushak can produce food without leaves. Which other part can they use to do the same purpose?

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37. Find out the occasions at home when wood

is required.

**38.** Do you know how paper is prepared?



**40.** Which stem do you use as food?

41. Name the part of plant used to make your

bag or your dress.



42. From which plant part we can use to make

gum, mosquito repellent, tyre of cycle and

varnish?

43. Name some medicines which can be

obtained from stem?



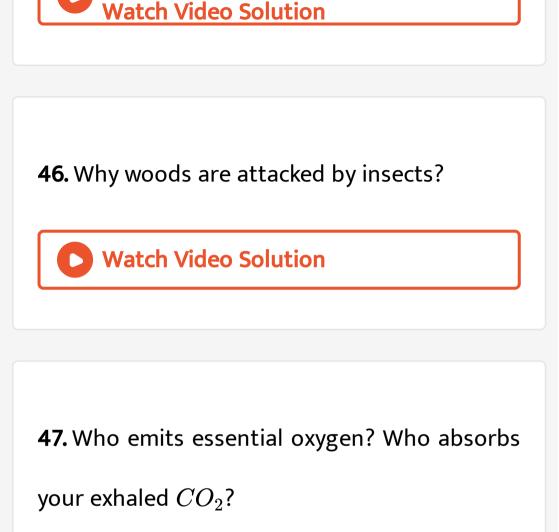
44. What provide shelter to birds, squirel, bat,

monkeys at night?

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**45.** Name some insects which live on plant.





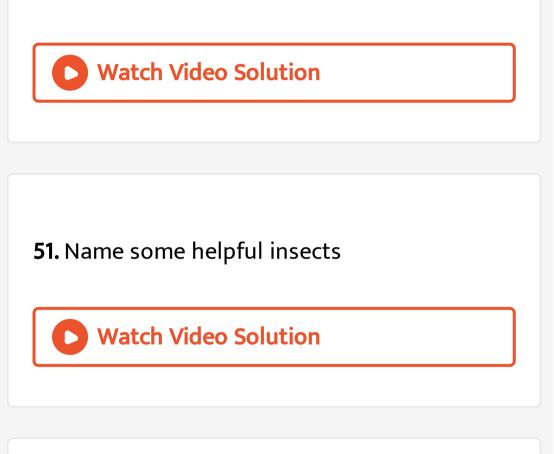
48. Why do you feel cold under a canopy in summer?Watch Video Solution

49. What absorbs polluted air from vehicles

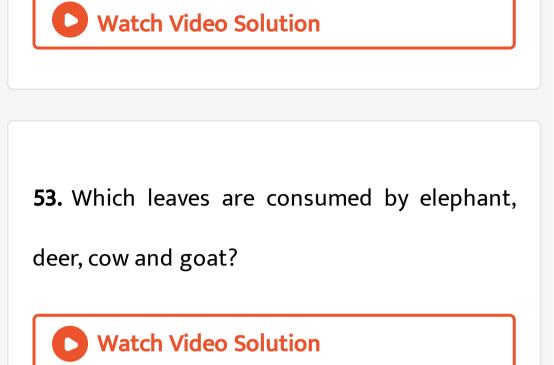
and cleans the nature?

50. How can be said the age of a plant from its

stem?



**52.** Name some harmful insects which use leaves as food.



54. Which leaf ribs are used in our daily

household clearing?

55. Which leaf juice or extract is used as medicine?



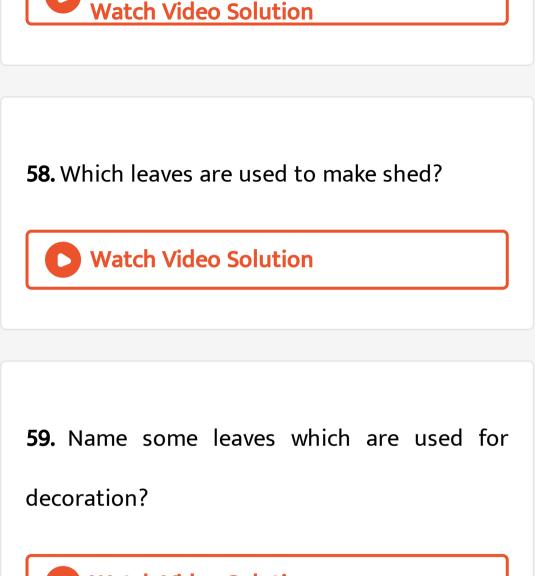
56. Which leaves of plants man uses for his

livelihood?

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**57.** Which leaves are used for fuel?





60. Which flower shows sepals or petals similar

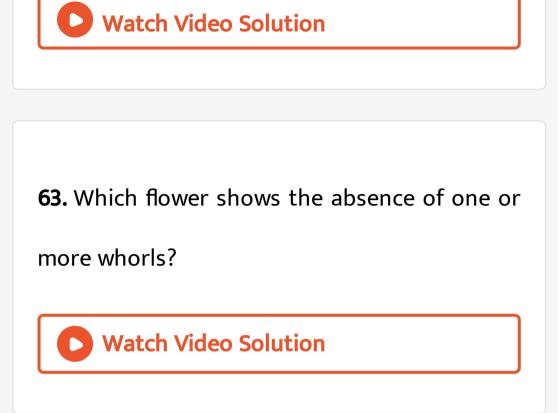
in shape and size?

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**61.** Parts of calyx corolla are not distinct in which flower?

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**62.** Which flower show all the four whorls?



#### 64. Does the colour of petals can change (with

change in attitude, season, day time)?



**65.** Why the petals of a flower are red in somewhere, yellow in somewhere, purple in somewhere or blue in some place else?

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#### 66. How does a plant benefit from the scent of

petals?

67. Name the flowers which are nocturnal and

which bloom in day.

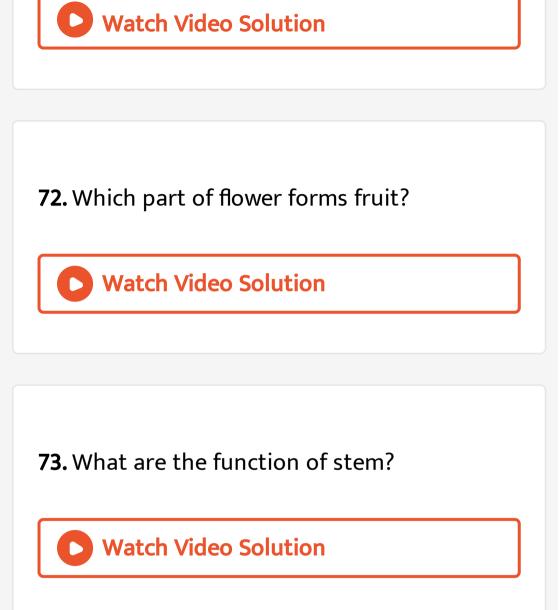
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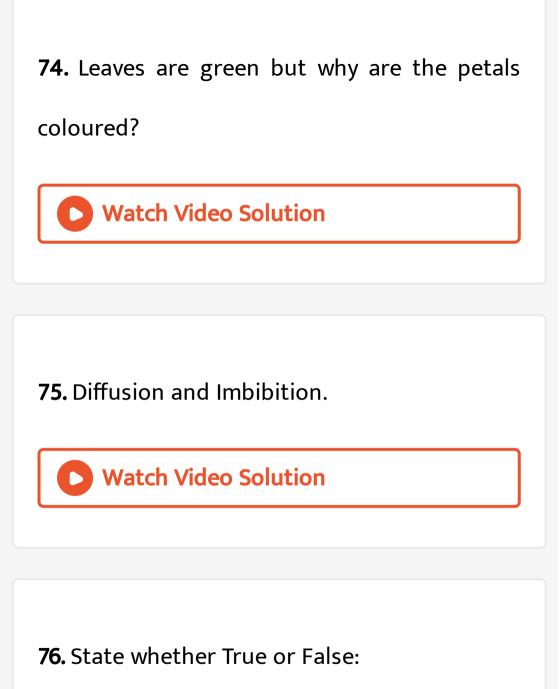
68. Can you name some animals which can

consume pollens?

**69.** What are the problems do encounter if we inhale pollen? Watch Video Solution **70.** How can man use flower colours? Watch Video Solution 71. What is the relation of sunlight with

blooming?





Seed develop form the ovule after fertilization.



# 77. Explain the terms osmosis and osmotic

pressure.

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#### 78. What is Pheromone?

79. Write down the functions of different parts

of seed.

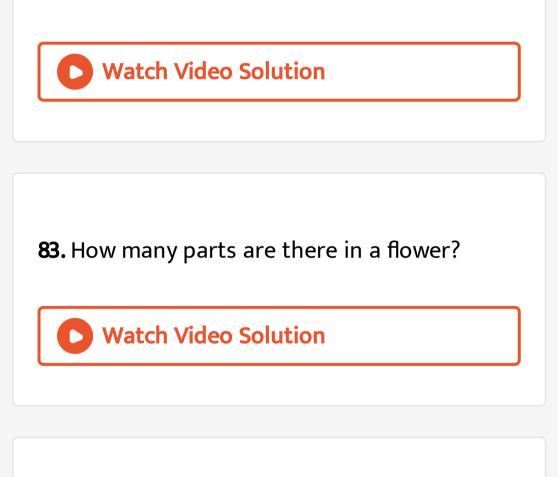


**80.** Describe the different parts of a root.

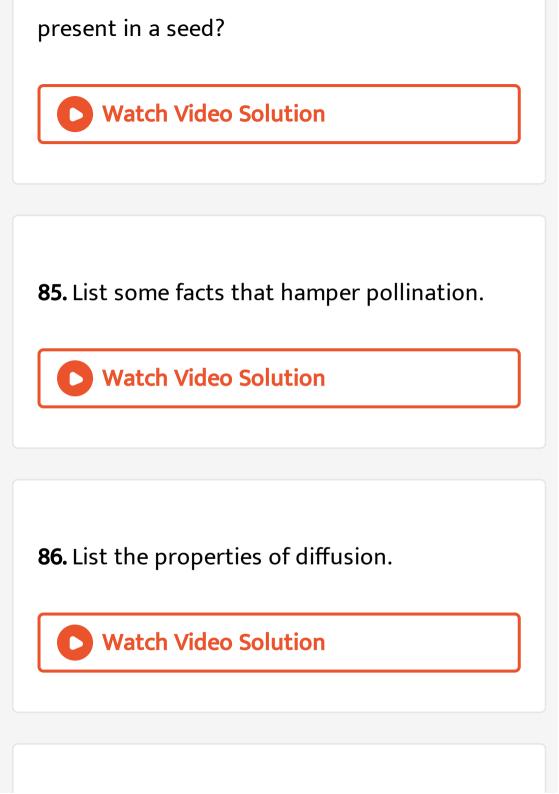
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81. Define - Node, Internode, Axil

**82.** What are the different types of leaves?



**84.** How many types of seeds are there depending upon the number of cotyledons



87. Why do snakes frequently protrude their

tongues?



88. What is Germination? Define the two types

of Germination.

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89. What is ORS?

#### 90. When sunstroke occurs?

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**91.** How do salt water fishes maintain the water and salt level in their body?