



# BIOLOGY

## BOOKS - SURA BIOLOGY (TAMIL ENGLISH)

### THE LIVING WORLD OF PLANTS

#### Example

1. Pond is an example of \_\_\_ ecosystem

A. Marine

B. Freshwater

C. Deserts

D. Mountain

**Answer:**



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2. The important function of stomata is \_\_\_.

A. Conduction

B. Transportation

C. Photosynthesis

D. Absorption

**Answer:**



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**3. Organ of absorption is \_\_\_\_\_.**

A. Root

B. Stem

C. Leaf

D. Flower

**Answer:**



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4. The habitat of water hyacinth is\_\_\_\_\_.

A. Aquatic

B. Terrestrial

C. Deserts

D. Mountain

**Answer:**



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**5. True or False.**

Plants can live without water.



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**6. True or False.**

All plants have chlorophyll.



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**7. True or False.**

Plants have three parts: the root, the stem and leaves.



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**8.** True or False.

Mountain is an example for freshwater habitat.



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**9.** True or False.

Root is modified into spines.



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**10.** True or False.

Green plants need sunlight.



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**11.** Fill in the Blanks.

Earth's surface is covered by\_\_\_ of water.



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**12. Fill in the Blanks.**

The driest places on Earth are\_\_\_.



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**13. Fill in the Blanks.**

Fixation and absorption are the main functions of\_\_\_.



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**14.** Fill in the Blanks.

Primary organs of photosynthesis are \_\_\_\_\_



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**15.** Tap root system is present in \_\_\_ plants.



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**16.** Match the following.

1.	Mountain	Monocot
2.	Desert	Branches
3.	Stem	Dry place
4.	Photosynthesis	Himalayas
5.	Fibrous Root	Leaves



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**17.** Arrange in correct sequence.

Leaves-Stem-Root-lower.



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**18.** Arrange in correct sequence.

Transpiration-Conduction-Absorption-Fixation.



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**19.** Classify the plants on the basis of their habitats.



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20. Identify the desert plant from the following. Cactus, Hydrilla, Mango and Rose.



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21. Define the term habitat.



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22. Relate the terms leaves and photosynthesis.



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**23.** Why do you call jasmine plant, a twiner?'



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**24.** Compare the tap root and fibrous root systems.



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**25.** Distinguish between terrestrial and aquatic habitats.



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**26.** List out the plants present in your school garden.



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**27.** Make a list of the functions of root and stem.

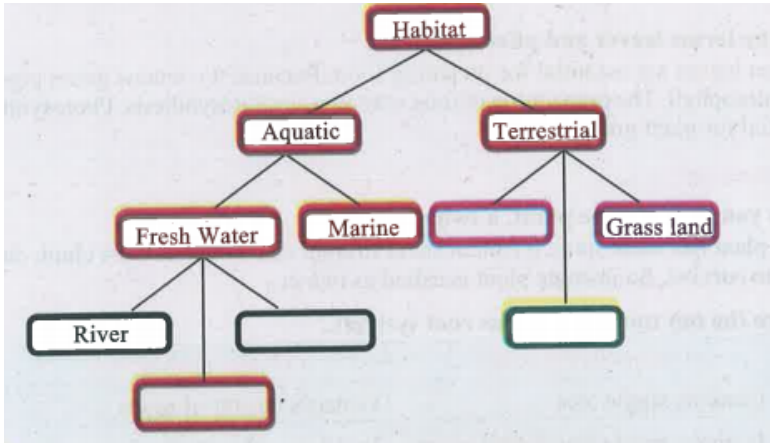


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**28.** Study the given concept map. Connect the  
m correting by drawing arrow marks.



Complete the map by filling the blanks.



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29. \_\_\_ is a natural science concerned with study of life and living organisms

A. Chemistry

B. Biology

C. zoology

D. Physics

**Answer:**



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**30.** The underground part of the main axis of a plant is known as\_\_\_\_\_

A. shoot

B. node

C. root

D. leaf

**Answer:**



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**31.** Main axis of the shoot system is called \_\_\_.

A. stem

B. root

C. Leaf

D. buds

**Answer:**



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**32.** On the lower side of the leaf there tiny pores or openings:known as\_\_\_

A. Leaf base

B. mid rib

C. petiole

D. stomata

**Answer:**



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**33.** World habitat day is observed on first Monday of \_\_\_.

A. October

B. November

C. September

D. December

**Answer:**



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**34.** \_\_\_\_\_ is one of the fast growing plant during active growth phase.

A. Mango

B. Neem

C. Hibiscus

D. Bamboo

**Answer:**



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**35.** \_\_\_\_ is the longest river in the world.

A. Sutlej

B. Yellow

C. Nile

D. Congo

**Answer:**



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**36.** Length of Nile river is \_\_\_

A. 6560 km

B. 6650 km

C. 6506 km

D. 5606 km



**Answer:**



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**37.** Air spaces in stems and petioles of \_\_\_plant are useful for floating in water

A. lotus

B. water lily

C. water hyacinth

D. agave

**Answer:**



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**38.** The first land plants are \_\_\_\_\_

- A. neem and pine
- B. hibiscus and lotus
- C. banyan and peepal
- D. mosses and liverworts

**Answer:**



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39. The \_\_\_\_ forest in South America produces half of the world's oxygen supply.

A. Taiga

B. Congo rain

C. Amazon rain

D. Dry deciduous

**Answer:**



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**40.** True or False-If False give the correct answer. The living world comprises of plants and animals.

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**41.** True or False-If False give the correct answer. Root has nodes and internodes.

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**42.** True or False-If False give the correct answer. Tap root consists of a cluster of roots arising from the base of the stem.



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**43.** True or False-If False give the correct answer. The buds at the axils of the leaves are called terminal buds.



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**44.** True or False-If False give the correct answer. In case of sugarcane,food is stored in the stem region.



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**45.** True or False-If False give the correct answer. The longest river in india is the Ganges river.



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**46.** True or False-If False give the correct answer. The Amazon rain forest in Canada produces half of the world's oxygen supply.



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**47.** Fill in the blanks.Plants can prepare\_\_\_\_



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**48.** Fill in the blanks. \_\_\_\_\_are positively geotropic in nature.



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49. Fill in the blanks. Mango plant is a \_\_\_ plant.



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50. Fill in the blanks. \_\_\_\_\_ plants store food in their roots.



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51. Fill in the blanks. The aerial part of the plant body above the ground is known as\_\_\_



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52. Fill in the blanks. The part of the stem between two successive nodes is called\_\_\_



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**53.** Fill in the blanks. The green colour of the leaf is due to the presence of green coloured pigment called \_\_\_.



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**54.** Fill in the blanks. \_\_\_plant's leaves grow up to 3metres across.



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55. Fill in the blanks. \_\_\_\_\_ are free floating Algae.



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56. Fill in the blanks. \_\_\_\_\_ desert is called as Great Indian desert.



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57. Fill in the blanks. River Ganges is \_\_\_ km long.



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58. Fill in the blanks. Marine plants perform about \_\_\_ of all photosynthesis that occurs on the planet.



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**59.** Complete the given analogy. Aerial part above the ground :Shoot system Underground part of the axis of a plant:\_\_\_.



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**60.** Dicotyledonous plants :Bean,Mango  
Monocotyledonous plants :\_\_\_\_\_.



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**61.** Carrot ,beet root :store food in roots.

Sugarcane :\_\_\_\_\_.



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**62.** Photosynthesis :\_\_\_\_\_Transpiration :

Stomata.



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63. Flowering plant :Sunflower Non-flowering plant :\_\_\_\_\_.



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64. Mango : Angiosperm Cycas : \_\_\_\_\_



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65. Water lily : Fresh water habitat Marine Algae :\_\_\_\_\_.



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**66.** Rainfall 25-200cm : Forest habitat  
Rainfall below 25 cm : \_\_\_\_\_.



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**67.** Sweet peas : Tendril climber  
Clitoria : \_\_\_\_\_.



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**68.** Leaves are modified into spines: Opuntia

Stem has sharp thorns:\_\_\_\_\_.



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**69.** Match the following.

- |           |                   |   |    |            |
|-----------|-------------------|---|----|------------|
| <b>1.</b> | Tap root          | - | a) | Grass      |
| <b>2.</b> | Aquatic plant     | - | b) | Teak tree  |
| <b>3.</b> | Desert plant      | - | c) | Neem       |
| <b>4.</b> | Grassland         | - | d) | Opuntia    |
| <b>5.</b> | Terrestrial plant | - | e) | Water lily |



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**70.** What are the uses of plant?



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**71.** List the main part of flowering plant.



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**72.** What are the properties of root?



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**73.** Give some examples of monocotyledonous plant and dicotyledonous plant.



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**74.** List the characters of shoot system.



**Watch Video Solution**

**75.** List the functions of leaves.



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**76.** Classify the plants on the basis of flower.



**Watch Video Solution**

**77.** Classify the plants on th basis of Position of seed.



**Watch Video Solution**

**78.** List the characters of aquatic plant.



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**79.** Give some examples of fresh water habitat and marine water habitat plants.



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**80.** Name the part which is modified into tendril in Sweet Peas and Bitter Gourd?



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**81.** Define -Thorns.



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**82.** Name the part which is modified into Thorns or Spines in Agave, Opuntia and Bougainvillea.



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**83.** Describe the Structure of Leaf.





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84. Draw a diagram of a plant and label its parts.



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## Exercise

1. The important function of stomata is\_\_\_.

A. Conduction

B. Transpiration

C. Photosynthesis

D. Absorption

**Answer:**



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2. World habitat day is observed on first Monday of \_\_\_.

A. October



B. November

C. September

D. December

**Answer:**



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**3. \_\_\_\_ is the longest river in the world.**

A. Sutlej

B. Yellow river

C. Nile

D. Congo

**Answer:**



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**4. Fill in the Blanks.**

The driest places on Earth are \_\_\_.



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5. Fill in the blanks. The flat portion of the leaf is called \_\_\_.



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6. Tap root system is present in \_\_\_ plants.



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7. True or false--If false give the correct answer.

Root has nodes and inter nodes.



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**8.** True or False.

Root is modified into spines.



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**9.** True or False-If False give the correct answer.

In case of sugarcane, food is stored in the stem region.



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10. Match the following.

10.	Aquatic plant	(a)	Opuntia
11.	Desert plant	(b)	Teak tree
12.	Terrestrial plant	(c)	Water lily



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11. Photosynthesis : \_\_\_\_\_ Transpiration :  
Stomata.



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12. Sweet peas : Tendril climber Clitoria : \_\_\_\_\_.



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13. Relate the terms leaves and photosynthesis.



[Watch Video Solution](#)

14. Define -Thorns.



[Watch Video Solution](#)

**15.** Compare the tap root and fibrous root systems.



**Watch Video Solution**

**16.** Make a list of the functions of root and stem.



**Watch Video Solution**

**17.** Describe the Structure of Leaf.



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