

# Organismal Biology

## 10. Nutrient Procurement and Processing

### PART 1 Plant Nutrition

#### QUIZ

Name:

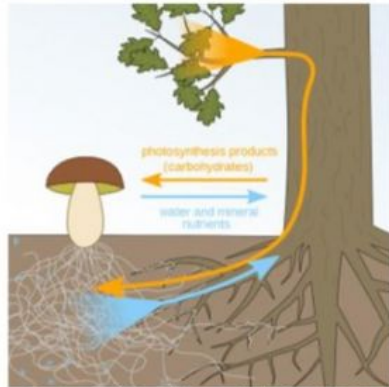
Grade & Section





### Multiple Choice

Select the correct answer.



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These structures promote symbiosis except:

- A. mycorrhizae
- B. root nodules
- C. haustoria
- D. none of the above



### Matching Type

Match the items in Column A to those in Column B.

| A               | B                         |
|-----------------|---------------------------|
| Root hairs      | Symplast route            |
| Plasmodesmata   | more SA for absorption    |
| Plant cell wall | nitrogen fixation to soil |
| Root nodules    | Symbiosis with fungi      |
| Mycorrhizae     | Apoplast route            |



### Multiple Choice

Select the correct answer.

In acidic or sandy soils, these are usually deficient except

- A. nitrogen
- B. potassium
- C. magnesium
- D. calcium



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### Multiple Choice

Select all possible answers.

Which among the following are micronutrients?

- A. sulfur
- B. boron
- C. lead
- D. silicon



### Multiple Choice

Select the correct answer.



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The symptom when leaves turn pale or yellow is called

- A. chlorosis
- B. mottling
- C. browning
- D. Two of the above



### Multiple Choice

Select all possible answers.

The following are true about macronutrients except

- A. Macronutrients are needed by plants in huge doses.
- B. Oxygen is technically a macronutrient.
- C. Macronutrients are 50% of a plant's dry weight.
- D. Nitrogen, Potassium and Phosphorus (NPK) are the most essential among the macronutrients.



### True or False

Select if True or False.

Water and oxygen from the environment are essential for plant survival and photosynthesis.

TRUE

FALSE



### Matching Type

Match the items in Column A to those in Column B.

A

Symbionts

Predators

Autotrophs

Parasites

Heterotrophs

B

the host does not benefit

chemosynthetic bacteria

animals, microbes and fungi

mutually beneficial ties

enzymes digest the insect



### Multiple Choice

Select the correct answer.

The science that deals with how nutrients are absorbed.

- A. homeostasis
- B. physiology
- C. nutrition
- D. biochemistry



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### Multiple Choice

Select all correct answers.

Modified plant structures for predation include

- A. haustoria
- B. mycorrhizae
- C. traps
- D. pitchers



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