

**TEST BANK FOR SCIENCE OF  
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*The Science of*  
**Agriculture**



**A BIOLOGICAL APPROACH**

**5TH EDITION**

**TEST BANK**

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## TRUE/FALSE

1 : The food chain is the progression of food energy from one species to the next.

A : true

B : false

Correct Answer : A

2 : Minerals in the soil are organic compounds that have chemical and physical properties.

A : true

B : false

Correct Answer : B

3 : All soil originates from matter known as parent material.

A : true

B : false

Correct Answer : A

4 : Soil that has been transported by moving water is known as alluvial soil.

A : true

B : false

Correct Answer : A

5 : Lacustrine deposits fill oceans, and over millions of years, the water is slowly replaced with soil.

A : true

B : false

Correct Answer : B

6 : Loess soils are found throughout the Mississippi Valley, parts of the Midwest, Washington, and Idaho.

A : true

B : false

Correct Answer : A

7 : The largest of the soil particles is silt, which has soil separates between 2mm and .05mm in diameter.

A : true

B : false

Correct Answer : B

8 : The pH scale is a measure of the relative strength of the hydrogen ion or hydroxide ion activity in a substance.

A : true

B : false

Correct Answer : A

9 : Protozoa are multicelled organisms that live in the soil.

A : true

B : false

Correct Answer : B

10 : All large animals that live in the soil are considered destructive to plants.

A : true

B : false

Correct Answer : B

## MULTIPLE CHOICE

11 : Soil that is formed into peds and can be handled without breaking up is considered to have a(n) \_\_\_\_\_.

A : strong structure

B : moderate structure

C : amplified structure

D : weak structure

Correct Answer : A

12 : The uppermost layer of soil is called the \_\_\_\_\_.

A : A horizon

B : O horizon

C : E horizon

D : B horizon

Correct Answer : B

13 : \_\_\_\_\_ is one of the most important groups of microscopic animals in the soil characterized by smooth round bodies that are not segmented.

A : Protozoa

B : Fungi

C : Nematodes

D : Earthworms

Correct Answer : C

14 : Each sheet of clay particles has \_\_\_\_\_.

A : no charge

B : a positive charge

C : a negative charge

D : either a positive or negative charge

Correct Answer : C

15 : A hydrogen atom has \_\_\_\_\_.

- A : one proton and no neutrons
- B : one neutron and no protons
- C : two protons and one electron
- D : one proton and one electron

Correct Answer : D

16 : Groups of clinging soil particles are called \_\_\_\_\_.

- A : peds
- B : ions
- C : structures
- D : textures

Correct Answer : A

17 : The last horizon in a soil profile is the \_\_\_\_\_, the bedrock on which the other soil horizons rest.

- A : O Horizon
- B : R Horizon
- C : E Horizon
- D : A Horizon

Correct Answer : B

18 : A soil found in very cold climates where the ground is permanently frozen would fit best into the \_\_\_\_\_ order.

- A : entisols
- B : aridisols
- C : gelisols
- D : histisols

Correct Answer : C

19 : Actively growing protozoa would be found in \_\_\_\_\_.

- A : warm, dry soil
- B : moist soil
- C : frozen soil
- D : volcanic soil

Correct Answer : B

20 : Areas around the \_\_\_\_\_ have large areas with lacustrine soils.

- A : Great Lakes
- B : Gulf of Mexico
- C : Grand Canyon
- D : Adirondack Mountains

Correct Answer : A

21 : The food chain of land animals begins with the \_\_\_\_\_.

- A : grass
- B : insects
- C : soil

D : fruits and vegetables

Correct Answer : C

22 : A land mass built up by the dropping of till (large boulders, smaller rocks, sand, silt, and clay) from a glacier is known as a \_\_\_\_\_.

A : prairie

B : mesa

C : moraine

D : flood plain

Correct Answer : C

23 : The texture of the soil refers to the \_\_\_\_\_ of the individual soil particles.

A : shape

B : absorption level

C : carbon content

D : size

Correct Answer : D

24 : The loss of soil nutrients by water movement is called \_\_\_\_\_.

A : leaching

B : absorption

C : wash-out

D : diffusion

Correct Answer : A

25 : \_\_\_\_\_ is the name of the area of the soil that contains the roots of plants.

A : Biosphere

B : Rhizosphere

C : Hemisphere

D : Atmosphere

Correct Answer : B