Unit 4 Test Plant Health

Name _	Date Hour
Multiple Cho Choose the an	ice swer that best completes each statement or question.
1.	Which macronutrient promotes plant growth, increases leaf size and gives plants their dark green color through the production of chlorophyll?
	dank green color un ough the production of emorophym.
	A. sulfur
	B. phosphorus
	C. potassium
	D. nitrogen
2.	Which macronutrient promotes vigor and disease resistance and increases tolerance to weather changes?
	A. sulfur
	B. chlorine
	C. potassium
	D. nitrogen
3.	Which macronutrient is needed by the plant for growth and reproduction, and promotes germination and seed growth?
	A. copper
	B. phosphorus
	C. manganese
	D. nitrogen
4.	Which macronutrient is a component of cell walls and helps plants maintain strength?
	A. calcium
	B. sulfur
	C. magnesium
	D. molybdenum
5.	Which macronutrient stimulates root growth and is also needed for protein formation?
	A. calcium
	B. sulfur
	C. magnesium
	D. molybdenum

6.	Which macronutrient is essential for chlorophyll production and also aids in the metabolism of carbohydrates and aids enzyme reactions necessary for growth?
	A. iron B. sulfur C. magnesium D. molybdenum
7.	Which micronutrient aids in the production and transport of sugars, and is also essential for pollination and reproduction?
	A. boron B. iron C. chlorine D. copper
8.	Which micronutrient is needed for chlorophyll formation and oxygen transfer?
	A. zinc B. iron C. chlorine D. copper
9.	Which micronutrient is important in respiration and nitrogen metabolism, and is also needed for chlorophyll formation?
	A. sulfurB. calciumC. chlorineD. manganese
10.	Which micronutrient helps activate enzymes that regulate plant growth, is important in chlorophyll production, and is also involved in respiration and protein production?
	A. zinc B. iron C. chlorine D. copper
11.	Which micronutrient aids in nitrogen metabolism and the formation of root nodules?
	A. iron B. chlorine C. copper D. molybdenum

12.	Which micronutrient aids in the production of proteins and helps regulate chemical processes?		
	A. iron B. boron C. copper D. magnesium		
13.	Which micronutrient is needed for photosynthesis?		
	A. calciumB. chlorineC. nitrogenD. magnesium		
14.	A plant that has yellowing on older leaves near the bottom of the plant with the remaining plant appearing light green is likely to have a		
	A. nitrogen deficiencyB. boron deficiencyC. manganese deficiencyD. phosphorus deficiency		
15.	What nutrient deficiency can cause a reddish or purplish color to the leaves?		
	A. nitrogen deficiencyB. boron deficiencyC. manganese deficiencyD. phosphorus deficiency		
16.	What nutrient deficiency will cause yellowing, especially of young leaves, will cause terminal buds to die, and will also cause plants to fail to set seed?		
	A. nitrogen deficiencyB. boron deficiencyC. manganese deficiencyD. phosphorus deficiency		
17.	What nutrient deficiency will cause reduced growth, yellowing of leaves, and white stripes along the veins of leaves?		
	A. nitrogen deficiencyB. boron deficiencyC. magnesium deficiencyD. phosphorus deficiency		

18.	What nutrient deficiency will cause yellowing, especially of young leaves, with the veins remaining green and may also cause brown spotting?
	A. nitrogen deficiencyB. boron deficiencyC. manganese deficiencyD. phosphorus deficiency
19.	A plant that has reduced or stunted growth and older leaves that appear scorched or dried is most likely to have a
	A. iron deficiencyB. boron deficiencyC. manganese deficiencyD. potassium deficiency
20.	What nutrient deficiency will cause yellowing of leaves, especially younger leaves, and will also cause new growth to appear small and abnormal?
	A. nitrogen deficiencyB. boron deficiencyC. copper deficiencyD. potassium deficiency
21.	What is the number on the pH scale that indicates a neutral pH?
	A. 0 B. 7 C. 14 D. 21
22.	Numbers that are an indication of acidity on the pH scale are numbers that are
	A. below 7 B. above 7 C. above 14 D. between 7 and 14
23.	Numbers that are an indication of alkalinity on the pH scale are numbers that are
	A. below 7B. above 7C. above 14D. between 0 and 7

24.	Most plant nutrients are available when the soil pH is between		
	A. 0 and 3.0		
	B. 4.0 and 5.0		
	C. 6.0 and 7.0		
	D. 7.0 and 8.0		
25.	Fertilizer refers to soil amendments that		
	A. are sold commercially		
	B. contain more than two ingredients		
	C. contain more than three ingredients		
	D. contain a guaranteed minimum percentage of nutrients		
26.	What is often used to raise the pH and is used on acidic soils?		
	A. sulfur		
	B. ground limestone		
	C. alfalfa meal		
	D. soybean meal		
27.	What is often used to lower the pH and is used on alkaline soils?		
	A. sulfur		
	B. ground limestone		
	C. alfalfa meal		
	D. soybean meal		
28.	What insects may inject toxic materials into the plant?		
	A. chewing insects		
	B. sucking insects		
	C. boring insects		
	D. pecking insects		
29.	What insects cause damage to plants such as uneven or broken margins on the leaves and		
	other plant parts?		
	A. chewing insects		
	B. sucking insects		
	C. boring insects		
	D. pecking insects		
30.	What insects cause damage that is often hard to detect?		
	A. chewing insects		
	B. sucking insects		
	C. boring insects		
	D. pecking insects		

	or Fals ate if eac	e ch statement is true or false.						
	31.	Nutrient deficiencies may be difficult to determine because many nutrient deficiencies can appear similar.						
	32.	Some nutrients can become toxic to plants at certain pH levels.						
	33.	The nutrients aluminum, zinc, copper, and iron are more readily available in alkaline soils.						
	34.	Soil amendments can help improve properties such as water retention, permeability, drainage, nutrient-holding capacity, and aeration.						
	35.	A complete fertilizer contains all of the macronutrients.						
	36.	The main organisms that cause plant diseases are fungi, bacteria, viruses, and nematodes.						
	37.	If a plant is considered a weed, it is always considered a weed regardless of location.						
	38.	Certain insects are considered beneficial insects and eat harmful crop pests.						
	39.	Animals cause damage to plants mainly by st	epp	oing on plant parts.				
	40.	Plant diseases can form in any environment.						
Matc l	_	nethod of pest treatment with its definition.						
A. B.	biolog chemi		C. D.	cultural mechanical				
	41.	the use of pesticides, insecticides, and herbicides	des					
	42.	crop rotation, trap cropping, removal of crops sanitation practices	or	pruning of infested parts, tilling, and good				
	43.	using organisms to help control pests						
	44.	traps, temperature extremes, hand removal an	nd (cultivation				
Short	Answei	r						
45	45. What is the difference between a complete fertilizer and an incomplete fertilizer?							