Bio-10-Q2W7,8-Test1-Plants

Multiple Choice

Identify the choice that best completes the statement or answers the question.

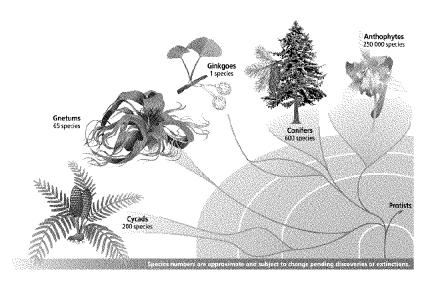


Figure 22-6

1.	According to Figure 22-6, which species was t	ne fa	stest to differentiate from the rest of the ones shown?
	a. gnetums and cycads	c.	anthophytes
	b. anthophytes, conifers, and ginkos	d.	conifers and ginkos
 2.	What can be inferred from Figure 22-6?		
	a. anthophytes are the most common seed pla	nts	
	b. there used to be more than one species of g	inko	os
	c. ginkos only grow in one area of the world		
	d. seed plants are more closely related to prot	ists	than non-seed plants
 3.	According to Figure 22-6, with which division	of s	eed plants do ginkos share the most recent common
	ancestor?		
	a. gnetums	c.	anthophytes
	b. cycads	d.	conifers
 4.	Nonvascular plants is the only plant division in	wh	ch the gametophyte stage is
	a. dependent upon the sporophyte	c.	smaller than the sporophyte
	b. dominant	d.	composed of 2n cells
 5.	An anthophyte differs from a conifer in that		
	a. its seeds are enclosed in a fruit	c.	it has vascular tissue
	b. it produces seeds	d.	it is deciduous

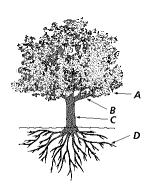


Figure 21-3

6.	Refer to Figure 21-3.	Removing which	structure would	cause this plant to starve?

a. D

c. A

b. E

1. C

7. Refer to Figure 21-3. Removing which structure would cause this plant to fall over?

a. A

c. I

b. (

d. E

8. Refer to Figure 21-3. Which structure collects water?

a. B

c. C

b. I

d. A

9. Refer to Figure 21-3. Which structure is used for the transportation of nutrients?

a. D

. B

b. A

d. C

10. The female reproductive structure of nonvascular plants is called a(n) _____.

a. pinnae

c. antheridia

b. rhizoid

d. archegonia

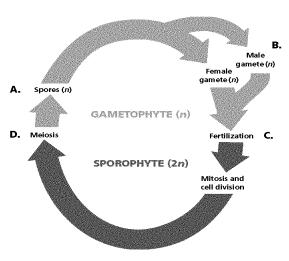


Figure 21-2

__ 11. If the plant described in Figure 21-2 has 16 chromosomes in the gametophyte stage, how many chromosomes does it have in the sporophyte stage?

a. 4

c. 8

b. 16

d. 32

 12.	Where does the asexual reproductive cycle beg	in ir	n Figure 21-2?	
	a. B		A C	
13.	b. D Where are seeds developed in Figure 21-2?	u.	C	
 13.	a. C	c.	В	
	b. A		D	
 14.	Where does the sexual reproductive cycle begin	n in	Figure 21-2?	
	a. D	c.		
	b. C	d.	A	
	Figure 22-5			
15.	If you cut open a stalk of the plant that produce	d th	e seed shown to the right in Figure 22-5, how would the	
	vascular bundles appear?			
	a. in a ring	c.	they do not exist	
16	b. net-like		scattered	
 16.	How are the vascular tissues bundled in the state. a. scattered	c.		
	b. net-like	d.	they do not exist	
 17.	You pick a flower off the plant that produced the seed shown to the right in Figure 22-5. What is a possible number of petals this flower could have?			
	a. 7	c.	3	
	b. 6	d.	8	
	A B C Figure 22-2			
18.	Which of the plants shown in Figure 22-2 uses	seed	ds to reproduce?	
	a. C	c.	A	
10	b. B	d.	all of them	
 19.	Which of the plants shown in Figure 22-2 has a		minant gametophyte generation? A	
	a. B b. C	c. d.	all of them	

 20.	W	nich of the plants shown in Figure 22-2 uses	alte	rnation of generations to reproduce?
	a.	В	c.	C
	b.	A	d.	all of them
 21.	W	nich reproductive process is NOT used by al	l thr	ee of the plants shown in Figure 22-2?
	a.	asexual	c.	gametophyte
	b.	fruit generation	d.	sexual
 22.	W	nich of the plants shown in Figure 22-2 does	NO	T contain vascular tissue?
	a.	A	c.	В
	b.	C	d.	none of them contains vascular tissue
		C		

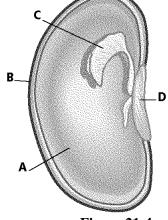


Figure 21-4

23.	Which structure in Figure 21-4 is analogou	ıs to a vo	olk in a chicken egg?
	a. C	•	A
	b. B	d.	D
 24.	Which structure in Figure 21-4 is analogou	is to a hu	ıman fetus?
	a. B	c.	C
	b. D	d.	A
 25.	Which structure in Figure 21-4 is analogou	is to an e	egg's shell?
	a. D	c.	В
	b. A	d.	C
 26.	The fronds of ferns are divided into leaflets	s called _	
	a. rhizomes	c.	pinnae
	b. sori	d.	cycads
 27.	Which of the following are considered BO	TH a vas	scular and non-seed plant?
	a. Hepatophytes	c.	Bryophytes
	b. Pterophytes	d.	Coniferophytes
 28.	Although all plants produce spores only	pro	duce flowers.
	a. Anthocerophytes	c.	Coniferophytes
	b. Ginkgophytes	d.	Anthophytes

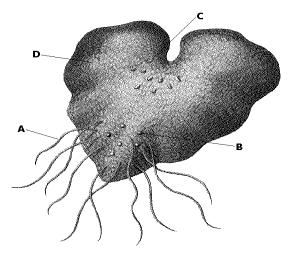


Figure 22-4

 29.	Where is the structure shown in Figure 22-4 located?						
	a. in the stalk	c.	in the ground				
	b. in the root	d.	in the leaves				
30.	Where are the male gametophytes produced	l in Figu	are 22-4?				
	a. D	c.	A				
	b. B	d.	C				
31.	Bryophytes and Hepatophytes tend to be for	und in r	noist environments because .				
	a. they are both small plants						
	b. they rely on osmosis and diffusion for t	ranspor	t of nutrients				
	c. they contain vascular tissue	_					
	d. they don't produce seeds						
 32.	Horsetails are						
	a. bryophytes	c.	pterophytes				
	b. arthrophytes	d.	lycophytes				
 33.	Which division of seed plants is represented	l by onl	y one living species?				
	a. Gnetophyta	c.	Cycadophyta				
	b. Coniferophyta	d.	Ginkgophyta				
 34.	Which of these are vascular plants?						
	a. spike mosses	c.	club mosses				
	b. ferns	d.	all of these				
 35.							
	a. proteins	c.	8				
	b. glycogen	d.	cellulose				
 36.	The gametophyte of a moss produces	_•					
	a. gametes	c.	spores				
	b. 2n cells	d.	vascular tissue				
 37.	Fossil and genetic evidence suggests that	we	ere the first land plants.				
	a. liverworts	c.	horsetail				
	b. mosses	d.	lycophytes				
 38.	Which of the following is not a dicotyledon	?					
	a. dandelion	c.	grass				
	h lettuce	d	maple tree				

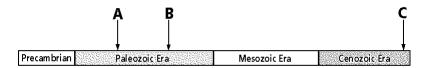


Figure 22-3

 39.	What type of plant died out in the time mark	ted B ii	n the timeline shown in Figure 22-3?
	a. vascular plants	c.	non-seed vascular plants
	b. seed plants	d.	nonvascular plants
40.	What originated at point A on the timeline s	hown i	n Figure 22-3?
	a. non-seed vascular plants		vascular plants
	b. seed plants	d.	•
 41.	What type of plant is completely extinct at p	oint C	in the timeline shown in Figure 22-3?
	a. conifers	c.	nonvascular plants
	b. vascular plants	d.	none of the above
 42.	Plant cells all have a composed of ce	llulose.	
	a. nucleus	c.	cytoplasm
	b. cell wall	d.	cell membrane
 43.	In most seed plants, fertilization does not re	quire _	
	a. a gametophyte generation		
	b. the production of eggs		
	c. a film of water to carry the sperm to the	egg	
	d. alternation of generations		
 44.	Which of the following are NOT considered	non-se	eed plants?
	a. Hepatophytes	c.	Coniferophytes
	b. Bryophytes	d.	Anthocerophytes
 45.	Anthophytes that live for only one year or le	ess are	called
	a. annuals	c.	biennials
	b. perennials	d.	dicots
	_		