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NAME:

CLASS:

TOPICS 1-2

ASSESSMENT

Topics 1–2 Test

BLM 1-6

Goal • Demonstrate your understanding of the concepts presented in Topics 1 and 2.

What to Do

Read each question carefully before answering in the space provided. If you work at a steady pace, you should have enough time to finish.

Definitions

Define each term in full sentences.

1.	biological diversity the number and variety of organisms in an area.
2.	an inherited characterative behaviour that helps
~	an inherited characteristic behaviour that helps an organism survive in its environment
٤.	the strucgle among individual organism for access the a limited resource, such as front narrow niche
4.	or tenitory harrow niche
	a highly specialized role undertaken by
5.	symbiotic relationship
	an interaction between organisms of different
	species living in dose presimity to leach
	other in a relationship that lasts over Eine

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ASSESSMENT

Topics 1-2 Test (continued)

BLM 1-6

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True or In the spa make it tr	ace provided, indicate whether each statement is true (T) or false (F). If the statement is false, rewrite it
F F	6. Scientists have identified all plant species. Scriptists have ret identified all plant species. 7. All individuals of a single species are identical. All individuals of a single species are identical.
<u></u>	8. Much of Earth's biological diversity is due to speciation.
F	9. A specialist can easily survive extreme changes in its environment. A specialist cannot Survive extreme Change in its environment
<u>T</u>	10. The relationship between mycorrhizal fungi and tree roots is symbiotic.
<u>. 7</u> .	11. Life has been found at temperatures as high as 110°C.
(a) m (b) th (c) bi	Choice gical diversity is important for the following reason(s): nany medicines come from biological sources ne survival of one species is sometimes closely linked to the survival of another iological diversity may promote the health and survival of natural communities Il of the above
(a) si (b) au (c) w	neral, organisms of a single species: hare similar characteristics re able to interbreed and produce fertile offspring vill show some amount of variation It of the above

- 14. Which kind of graph should be used to display the frequency of students' heights?
 - (a) line graph
 - (b) bar graph
 - (c) bistogram
 - (d) none of the above

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ASSESSMENT

Topics 1–2 Test (continued)

15. Which organism would be considered a specialist?

- (a) wolf
- (b) lion-tailed macaque
 - (c) Arctic hare
 - (d) polar bear
- 16. Snow alga has variations that allow it to:
 - (a) survive in cold temperatures
 - (b) form a symbiotic relationship with plants
 - (c) survive intense sunlight
 - (d) both (a) and (c) above
 - (e) both (a) and (b) above
- 17. A poplar tree's niche includes its habitat and activities such as:
 - (a) removing carbon dioxide from the air and releasing oxygen to the air
 - (b) removing water and nutrients from the soil
 - (c) providing food and shelter for a wide variety of organisms
 - (d) all of the above

		Name one organism and give an example of one of its structural adaptations. Fish - Sills & etc.
1	19.	Give an example of two or more closely related species. Congain lynx, bobcot
)	20.	Give one reason why the different warbler species that live in spruce trees do not occupy the same niche. The fudice pattern of the warblers are different
ZIII.	21.	The warblest feed in different facts of the true seat slightly different foods! Which forest would be more likely to survive disease: a forest made up of one type of tree, or a forest made up
7/		a forest made up of many types of trees ble
/	2	of tree la the single the forest
		duly the specific disease - resistant trees would