Name: _		Class:	Date:	ID: A
ECOL	OGY EXAM	MYP BIOLO	GY	MR. MORONE
Multiple Identify t		etes the statement or answe	ers the question.	
1	<ul> <li>a. population distrib</li> <li>b. population growth</li> <li>c. population birth r</li> <li>d. population size.</li> <li>e. carrying capacity.</li> <li>Which of the followin</li> <li>a. rainfall</li> <li>b. prey abundance</li> <li>c. predators</li> </ul>	ution. n. ate. g would be more likely to a		ven area at a given time is the
3	<ul><li>a. nutrients</li><li>b. temperature</li><li>c. oxygen</li><li>d. light</li><li>e. wind</li></ul>			surface waters of the open ocean?
5	<ul><li>b. moss and lichens</li><li>c. weedy annual plan</li><li>d. climax species in</li><li>e. brambles and othe</li></ul>	nts in an open field succession or shrubs	upy and are adapte	d to a given area are referred to by
6.	<ul><li>a. the dark brown ma</li><li>b. the bright green ar</li><li>c. the black and yello</li></ul>	ane of a lion and blue feathers of a peacocl by bands of a wasp e stripes of a zebra	k	

a.

b.

c.

d.

ferns

bacteria

insects rodents

grasses

	14	Water in the account tends to mayo in sweet
-		<ul> <li>Water in the oceans tends to move in great currents from</li> <li>a. north pole to south pole.</li> </ul>
		b. equator to poles.
		c. poles to equator,
		d. south pole to north pole.
A IT	9	e. equator to poles and back again.
0 <u>M17</u>	15.	In general, which list places the terms in order of increasing size?
		a. ecosystem, progeographical realm, biome, biosphere
		b. ecosystem, biome, biosphere, biogeographical realm
		c. biomexecosystem, biogeographical realm, biosphere
		d. ecosystem, biome, biogeographical realm, biosphere
		e. biogeographical realm, biome, biosphere, ecosystem
	16.	and the species in which both species are harried is known as
		a. mutualism.
		<ul><li>b. parasitism.</li><li>c. commensalism.</li></ul>
		d. competition.
		e. predation.
	17.	-
		A group of individuals of the same species occupying a given area defines a(n) a. community
		b. ecosystem
		c. population
		d. biosphere
		e. habitat
	18.	A type III survivorship curve is characteristic of
		a. monkeys.
		b. horses.
		c. eagles.
		d. sea urchins.
	10	e. humans.
	19.	Which of the following does NOT cycle through an ecosystem?  a. water
		b. carbon
		c. energy
		d. phosphorus
omil		e. nitrogen
07	20.	Major air masses rise from the Earth's surface at
		a. the equator and 30 degree latitudes.
		b. 30 degree and 60 degree latitudes.
4		c. the equator and 60 degree latitudes.
MI		d. 30 degree latitudes and the poles.
01211	21.	The soil described as a mixture of sand, silt, clay, and humus is
		a. humus.
		b. sand. c. soil.
		c. soil. d. loam.
		e. silt.

28. Competitive exclusion is the result of

mutualism.

commensalism.

competition.

predation. parasitism.

b.

c.

d.

ID: A

35. A change in a population that is not related strictly to the size of the population is best described as

density-dependent. density-independent.

an S-shaped curve. a J-shaped curve.

within.

c. d.

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ation from	other for	ns			

36. The organisms that occupy the first trophic level near hydrothermal vents are detritivores. a. chemosynthetic bacteria. b. c. decomposers. photosynthetic bacteria. đ. photosynthetic algae. 37. The relationship between an insect and the plants it pollinates is best described as mutualism. competitive exclusion. b. parasitism. c. d. commensalism. all of these 38. Secondary succession is likely to occur in a clear-cut deciduous forest. a. on an eroded, bare hillside. b. in an abandoned field. c. in a clear-cut deciduous forest and on an eroded, bare hillside. in a clear-cut deciduous forest, on an eroded, bare hillside, and in an abandoned field The greatest diversity of organisms in lake ecosystems is found in what zone? profundal limnetic b. thermocline ¢. littoral d. sediment 40. Which of the following combinations of organisms could be expected to survive in isola of life available? producers and decomposers b. producers and carnivores c. carnivores and decomposers herbivores and carnivores d. herbivores, carnivores, and decomposers The amount of ultraviolet radiation hitting the Earth's surface is greatly reduced by which gas in the atmosphere? ozone a. b. oxygen water vapor carbon dioxide d. e. nitrogen Four of the five answers listed below are effects of acid rain. Select the exception.

- attacks marble, metals, mortar, and nylons a.
- b. causes air inversion and pollution events
- c. makes toxic heavy metals more mobile
- d. has different effects in different watersheds
- produces sterile lakes e.

 43.	The biome with the greatest diversity of life forms is
	a. tundra.
	b. taiga.
	c. tropical rain forest.
	d. desert,
	e. grassland.
44.	The carrying capacity of an environment is determined by
	a. the net rate of reproduction of the female members.
	b. an S-shaped curve.
	c. the predation rate on the females.
	d. diseases suffered by both sexes.
	e. the sustainable supply of resources it provides.
45.	Eutrophication refers to which change in a lake?
 ٦٥.	a. decrease in depth
	b. increase in dissolved nitrogen and phosphorus
	c. increase in species diversity
	d. decrease in nutrient concentrations
	e. increase in temperature
40	•
 46.	Detritus specifically includes
	a. organic wastes.
	b. toxic materials.
	c. dead and partially decayed material.
	d. living bacteria and fungi.
	e. both organic wastes plus dead and partially decayed material.
 47.	A J-shaped growth curve is converted to an S-shaped one
	a. when the parents are past reproductive age.
	b. if the data are plotted in reverse.
	c. when the carrying capacity is reached.
	d. if reproduction stops.
	e. only for fast-growing populations such as bacteria.
 48.	At the top of a pyramid of biomass are the
	a. primary producers.
	b. secondary producers.
	c. primary consumers.
	d. secondary consumers.
	e. tertiary consumers.
 49.	A tropical biome with grasses as primary producers and scattered trees adapted to prolonged dry spells is
	known as a
	a. warm desert.
	b. savanna.
	c. tundra.
	d. taiga.
	e. chaparral.

- when organisms die.
- as a result of metabolism. c.
- d. by organisms at the top of the food web.
- by herbivores.
- 56. Low temperature, short growing seasons, limited rainfall, dwarf trees, and herbaceous plants characterize the
  - tundra.
  - taiga. b.
  - c. temperate deciduous forest.
  - d. grassland.
  - tropical montane forests.

- e. arid area on both slopes.60. Four of the five answers listed below are characteristics of the tropical rain forest. Select the exception.
  - a. slash and burn
  - b. great diversity
  - c. highly stratified
  - d. lack of nutrients
  - e. large herds of herbivores

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