	Part 1: Princ	ciples of E	Coology
Ecolo	gy: scientific study of all the interrelationships between organism	ns and thei	r environment.
Biotic	c factor: any living factor in an organism's environment.	temperate	ure and wind currents
Level	of Organization:	temperati	ine and wind currents.
- Org	anism: an individual living thing, such as one striped fish.		
- Pop	ulation: a group of organisms of the same species that interbred a	and live in	the same place at the same time, such as the school of striped
fish.			
- Bio	logical community : all the population of species fishes, coral, an	d marine p	plants- that live in the same place at the same time make up a
- Eco	system: a biological community, such as the coral reef, and all the	ne abiotic f	factors, such as the seawater, that affect it
make	up an ecosystem. Ex: a fish tank.		
- Bior	ne: a biome is a group of ecosystems, such as the coral reefs off t	he coast o	f the Florida Keys, which share the same climate and have
simila	ar types of communities.	o the lower	of south from high in the struggebore to the denths of the
• DIOS	phere: the highest level of organization is the biosphere, which is that supports life	s the layer	of earth-from high in the atmosphere to the depuis of the
The st	implest level of organization is the organism, with increasing th	e organiza	ation is shown in the population, biological community,
ecosy	stem, and biome until reaching the most complex level of biospl	here.	
		1 1	
1	Scientific study of all the interrelationships between	7	Which of the following contains the least amount of living organisms?
СН	A Ecology B Earth science	СН	A Population B Biological community
10	C Chemistry D Physics	10	C Ecosystem D Biome
-	Ecology: scientific study of all the interrelationships		Levels of organization: organism- population-community-
	between organisms and their environment. $\rightarrow A$		ecosystem- biome- biosphere $\rightarrow A$
2	What is an abiatic faster in a farest true?	0	Which of the following is the most complex?
	A Butterfly eating its leaves	O CH	A Organism B Biological community
10	B Wind blowing between its leaves		C Ecosystem D Population
10	C A bird building its nest on a branch		Ecosystem: a biological community, such as the coral
	D Fungus growing on the roots		reef, and all the abiotic factors, such as the seawater,
	Abiotic factor: any nonliving factor in an organism's		that affect it make up an ecosystem. Ex: a fish tank. $\rightarrow C$
	environment, ex: temperature and wind currents. $\rightarrow B$	9	A group of ecosystems that share the same climate is
3	A group of goats in the same place and in the same	CH	A Organism B Biological community
	in group of gours in the same prace and in the same		0
	circumstances is called	10	C Biome D Biosphere
СН	circumstances is calledA PopulationB Biological community	10	C Biome D Biosphere A biome is a group of ecosystems, such as the coral
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Primary succession: establishment of a community in an area of exposed rock that does not have any topsoil.

Climax community: results when there is little change in the composition of species.

Secondary succession: orderly change that occurs after a community is removed but the soil remains intact.

Pioneer species: species (mainly plants) that begin to grow in a disturbed area.

30	A term that describes establishment of a community
	in an area of exposed rock
СН	A Primary succession
10	B Secondary succession
	C Alternation of generations
	D Succession's end-point
	Primary succession: establishment of a community in an
	area of exposed rock that does not have any topsoil. $\rightarrow A$
21	
31	An area in a forest with little change in the
	composition of species
СН	A Primary succession B Secondary succession
10	C Tundra D Climax community
	Secondary succession: orderly change that occurs after a
	its is an added that the solid man interact ND

32	After a forest fire, which of the following organisms
	do you expect to start secondary succession.
CH	A Fungi B Rabbits
10	C Worms D Plants
	Pioneer species: species (mainly plants) that begin to
	grow in a disturbed area $\rightarrow D$
33	Where are pioneer species probably present?
CH	A Forest climax community
10	B Disturbed grass field
	C Coral reefs
1	D Newly formed volcanoes

Pioneer species: species (mainly plants) that begin to grow in a disturbed area →B

Part 5: Wea	ther and Climate
Weather: condition of the atmosphere at a specific place and tim Latitude: distance of a point on the surface of the Earth north or Climate: average weather conditions in a specific area	ne. south of the equator.
 34 The condition of the atmosphere at a specific place and time CH A Weather B Climate 10 C Latitude D Latitude Weather: condition of the atmosphere at a specific place and time. →A 	 36 The average weather conditions in a specific area CH A Weather B Climate 10 C Latitude D Global warming Climate: average weather conditions in a specific area →B
 35 Distance of a point on the surface of the Earth north or south of the equator CH A Weather B Climate 10 C Latitude D Global warming Latitude: distance of a point on the surface of the Earth north or south of the equator. →C 	 37 The element which is used to measure how cold or hot the weather is CH A Wind B Precipitation 10 C Humidity D Temperature Temperature is the element which is used to measure how cold or hot the weather is →D
Part 6: Ma Biomes are classified by their plants, temperature, and precipitation. Fundra: treeless biome with permanently frozen soil under the surfa Boreal forest: (AKA northern coniferous forest) a band of dense eve Woodlands: dominated by shrubs. Desert: area in which the annual evaporation rate exceeds the rate of Fropical rain forests: warm temperatures, large amount of rainfall to diversity	ajor land Biomes ace. ergreen forest. f precipitation. Most common in Saudi Arabia. throughout the year, humid all year; hot and wet. contains most biological
 387 Which biome is treeless with permanently frozen soil under the surface? CH A Tundra B Boreal forest 10 C Desert D Tropical forest Tundra: treeless biome with permanently frozen soil under the surface →A 	 40 Which biome contains most biological diversity? CH A Tundra B Temperate forest 10 C Tropical forest D Grassland Tropical rain forests: warm temperatures, large amount of rainfall throughout the year, humid all year; hot and wet. contains most biological diversity →C
 39 What is the name of the biome that is most common in Saudi Arabia? CH A Boreal forest B Temperate forest 10 C Desert D Savanna Desert: area in which the annual evaporation rate exceeds the rate of precipitation. Most common in Saudi Arabia. →C 	 41 Which biome contains coniferous forest? CH A Tundra B Boreal forest 10 C Tropical forest D Grassland Boreal forest: (AKA northern coniferous forest) a band of dense evergreen forest →B
Part 7: Aqu	atic Ecosystems
 Freshwater Ecosystems Tundra: it has the highest area of fresh water 68.9% (Sediment: An inland body of standing water is called a lake or a pond. Laksunlight that penetrates the water. The area closest to the shore is the littoral zone (Abyssal zone) The limnetic zone (Light zone) is the open water area that is were the profundal zone is the deepest areas of a large lake. It is mere the profundal zone is the deepest areas of a large lake. It is mere the shore is the deepest areas of a large lake. It is mere the profundal zone is the deepest areas of a large lake. It is mere the shore is the deepest areas of a large lake. It is mere the profundal zone is the deepest areas of a large lake. It is mere the profundal zone is the deepest areas of a large lake. It is mere the profundal such as marshes and swamps that are mere the shwater from a river or stream merges. Types of Tides Area of spray: mostly dry Area of high tides: flood with water when there are high tides. Area of medium tides: gets flurry twice a day. Low tide zone is the area above water level at low tide This area can include several types of habitats with various species of Open Oceans Ecosystems Water zone: The deepest region of the ocean which is dark and has a very cold water. Bottom of the ocean: it makes up the largest area of the ocean. 	is material that is deposited by water, wind, or glaciers.) well lit and is dominated by plankton. uch colder and lower in oxygen than the other two zones. is the with water. F life

42The iced mountains make upof fresh waterCHA50%B69%C30%D0.3%10Tundra: it has the highest area of fresh water 68.9% \rightarrow B	 46 An example of changeable aquatic ecosystem? CH A Streams B Ponds C Estuaries D Oceans 10 Transitional (Changeable)Aquatic Ecosystems Ex: wetlands and estuaries. →C
43Which of these areas has the largest population of planktons?CHALight zoneBDark zone10CBeachDAbyssal zoneThe limnetic zone (Light zone) is the open water area that is	 47 Estuaries are? CH A Changeable B Tropical C Fresh D Salty 10 Transitional (Changeable)Aquatic Ecosystems Ex: wetlands and estuaries. →A
well lit and is dominated by plankton. $\rightarrow A$ 44Which of these zones are the coldest for lakes?CHA BeachB LightC AbyssalDThe area closest to the shore is the littoral zone (Abyssal zone). $\rightarrow C$	 48 Which of the tides zone is mostly dry? CH A Spray zone 10 B High tide zone C Low tide zone D Medium tide zone Area of spray: mostly dry →A
 45 Which of the ocean zone contain both light and dark areas? CH A Water zone B Deep zone 10 C Abyssal zone D Bottom zone Water zone: contain both dark and light areas. →A 	 49 The largest area of the ocean CH A Light area B Dark area 10 C Abyssal zone D Bottom zone Bottom of the ocean: it makes up the largest area of the ocean. →D
Part 8: Pop	ulation Ecology
 Population Density: the number of organisms per unit area. Population Dispersion: The pattern of spacing of a population within an area. Types: uniform / agglomeration / randomly. Uniform, like spiny-ta Population-Limiting Factors: There are two categories of limiting fa Density-Independent Factors: Any factor in the environment that depersive and the environment of the landscape - Density-Dependent Factors: Any factor in the environment that depersive and the environment factors: Any factor in the environment that depersive and the environment factors: Any factor in the environment that depersive and the environment factors: Any factor in the environment that depersive and the environment factors: Any factor in the environment that depersive and the environment factors: Any factor in the environment that depersive and the environment factors: Any factor in the environment that depersive and the environment factors: Any factor in the environment that depersive and the environment factors: Any factor in the environment that depersive and the environment factors: any factor in the environment that depersive and the environment factors: any factor in the environment that depersive and the environment factors: any factor in the environment that depersive and the environment factors: any factor in the environment the environment factors: any factor and the environment factors: any factor and the environment for the long term. Demographic transition: is the change in a population from hig	<pre>ided lizards textors—density-independent factors and density-dependent factors. es not depend on the number of members in a population per unit area. Air, land, and water pollution - volcanoes ends on the number of members in a population per unit area. and and water pollution - volcanoes for an equals deaths h and death rates s following for an equals deaths for an equals death</pre>
 50 Which of the population characteristic shows the relation of living thing per area? CH A Population density B Population dispersion 10 C Area of population D Population level Population density: the number of organisms per unit area. →A 	 51 Factors that depend on the density and effect the biome? CH A World war B Viruses 10 C Dryness D Flooding Density-Dependent Factors: Any factor in the environment that depends on the number of members in a population per unit area. Ex: - Biotic factors - Disease

- Competition - Parasites - Predation

→В



→D

 $\rightarrow C$

D Goat

→A

→A

 $\rightarrow B$

l - - - - - - - - - - - - - - - - - - -	Part 9: Biod Biodiversity: all the variety of life that can be found on Earth, and i Genetic diversity: as shown by the different colors in the ladybird. Variety of species: the number of different species and the percent Ecosystem diversity: Variation in environmental regulations in the mportance of Diversity Direct economic value: human depends on plants and animals in f Indirect economic value: flood protection and drought, provide u extinction and Exploitation Gradual extinction: extinction of species gradually. Collective extinction: an event in which a high percentage of specie ome researchers have estimated the speed of the current extinction extinction rate. Exploitation: Excessive use of species with an economic extinction rate. Exploitation: Excessive use of species lose their habitat by: hab Fragmentation of environmental habitat: species lose their habitat by: hab Fragmentation of environmental habitat: species lose their habitat by: hab Fragmentation of environmental habitat: species lose their habitat with futural Resources: are replaced by natural processes faster than fon-renewable resources: are available in limited quantities. Use the resources: are available in limited quantities. Use the resources: are available in limited quantities. Use the resources: are replaced by natural processes faster than fon-renewable resources: are available in limited quantities. Use freelamation of damaged Fiological treatment: the use of living creatures of liver and cores a fielduel: The introduction of living organism's predators natural to the	iversity ncludes age of e e atmosp food, clus s with s s are en <i>n rate o</i> itat dess ystem in om the n intent they con cled. nd fung	y and i	ts Types ecies in the vital community. energy, and treatment. iking water. ed in a short period. t 1000 times more than the normal speed of the gradual a, habitat disturbance all parts of the earth. d food enrichment. tentionally such as solar energy and air.
67 CH 10	The multiple forms of ladybugs in the next figurerepresentImage: Colspan="2">Population diversityBGenetic diversityImage: Colspan="2">Genetic diversityCVariety of speciesImage: Colspan="2">Genetic diversityDBiodiversityImage: Colspan="2">Genetic diversity		73 CH 10	What constitutes the indirect economic value of biodiversity? A Drought B Medication C Food D Clothes Indirect economic value: flood protection and drought, provide us with safe drinking water. →A
	Genetic diversity: as shown by the different colors in the ladybird \rightarrow B	Г	74	An event in which a high percentage of species are
68 CH 10	The number of different species and the percentageof each species in the vital community.AEcosystem diversityBGenetic diversityCVariety of speciesDBiodiversity		CH 10	AGradual extinctionBCollective extinctionCExploitationDHabitat lossCollective extinction: an event in which a highPercentage of species are endangered in a short period. \rightarrow B
	Variety of species: the number of different species and the percentage of each species in the vital community. $\rightarrow C$	Γ	75	A term that describes the excessive use of species that have economic value
69 CH	What term describes the assemblies (forest,Freshwater lake, River mouth, grassland)?AEcosystem diversityBBGenetic diversity		CH 10	AExploitationBVariety of speciesCExtinctionDPollutionExploitation: Excessive use of species with an economic value $\rightarrow A$
10	Ecosystem diversity: Variation in environmental regulations in the atmosphere. $\rightarrow A$	Γ	76	The separation of the ecosystem into small parts of the earth is called
70 CH 10	What constitutes the indirect economic value of biodiversity? A Flood protection B Clothes C Food D Medicine Indirect economic value: flood protection and drought, provide us with safe drinking water. → A		CH 10	AFragmentation of habitatBLoss of habitatCDestruction of the habitatDEnvironmental home disturbanceFragmentation of environmental habitat: separation of the ecosystem into small parts of the earth. $\rightarrow A$
71	What constitutes the direct economic value of		77	Which of the following removes calcium, potassium
CH 10	biodiversity? A Flood protection B Decomposition of waste C Food D Detoxification Direct economic value: human depends on plants and animals in food, clothing, energy, and treatment. \rightarrow C		CH 10	AWater irrigationBAcid rainCTranspirationDFertilizersPollution: Contains acid rain that removes calcium and potassium from the soil, and food enrichment. \rightarrow B
72 CH 10	How many more times does the current gradualextinction compare to a rate of natural extinction?A1B10C1000D0.10000Some researchers have estimated the speed of the currentextinction rate of about 1000 times more than the normalspeed of the gradual extinction rate. \rightarrow C		78 CH 10	Non-native species move to a new environmental habitat, intentionally or inadvertently A Local species B Internal species C Extinct species D Endemic species Internal species: Non-native species that move to a new habitat with intent or unintentionally →B

79 Which of the following resources are renewable in	80 Which of the following resources are renewable in noture?
CH A Fossil Fuels B Metal	CH A Biodiversity B Biologics
10CSolar powerDRadioactive uranium	10CSustainable useDExploitation
Renewable resources: are replaced by natural processes faster	Sustainable use: Use resources at a rate that can be replaced $$
than they consume, such as solar energy and air. $-2C$	
Part 10: Anin	nals behavior
Behavior: The way the animal responds to something.	
Fetal behavior depends on heredity and is not linked to previous experience	es. For example, walking is an instinctive behavior
A stable pattern of behavior: An instinctive behavior in which the animal of the goose to exit the eggs from the pest and try to roll them back to the p	has a set of sequential actions that respond to something, Ex: the response
Acquired behavior: Behavior is a results from the interaction between insti	inctive behaviors and previous experiences.
Types: habituation, conditional learning, printed behavior, cognitive behavior	or.
- Habituation: Decreased animal response to something that has no positive	or negative effect, ex: birds return to panic
of food in Paylov's experiments.	are linked, ex.: dog hooking between the sound of the bell and the presence
- Procedural learning: The animal connects in its response to something with	n a positive or negative outcome, for example: tying the bird between the
eating of the butterfly and the angelic disease.	
- Print behavior: Learning is defined in a specific period of life of the living some living creatures occur immediately after birth for example; bird Hero	creature (sensitive period) and then continue, the sensitive period when n has a strong social link with the first body after seeing hatching
- Cognitive Behavior: Includes thinking, reasoning, problem solving.	in has a strong social link with the first body after seeing natering.
Behavior of Competition	
Conflict behavior: A combat relationship between two individuals of the sa Hierarchy of dominion (behavior of dominion): control of one objector of	ame type.
Behavior Determines the Area of Influence: Select a region, control it and d	efend it.
Migratory and Communication	
Migratory Behaviors: seasonal movement of animals to new locations, like	e birds.
Communication Behaviors: by pheromones, Auditory communication like Pheromones: highly specific chemicals spread by animals to communicate	wolfs' howls and birds' chirps.
Courting behaviors: used to attract a mate.	
Nurturing behaviors: Parents provide care to their offspring, increasing the	e chance of offspring survival.
Cooperative behaviors: Altruistic behavior and self-sacrificing behaviors. Altruistic behavior: animal benefits another at a cost of themselves, worke	rs in beehives perform altruistic behavior: collecting pectar and caring for
the queen and offspring.	is in beenives perform antuistic benavior, concerning needar and earing for
Beehives contain a reproductive female called a queen, several male bees to	reproduce, and many female workers.
81 A change occurs in the environment of the organism	86 Cats not escaping when children approach them is
because of its interaction with it	an example of Learning
CH A Spectacular B Motive	CH A Familiarity
Behavior: The way the animal responds to something. $\rightarrow C$	10 B Fixed performance pattern
	C Classical Conditional
82 A behavior that depends on genetics CH A Percentual B Instinctive	D Procedural Equilibrity is the state of knowing compating yery well $\rightarrow A$
10 C Acquired D Printed	Familiarity is the state of knowing something very went $\neg A$
Instinctive behavior depends on heredity. $\rightarrow B$	87 A baby touching something hot then learning not to
82 The Welking of the small ducks behind their mother	touch it again is an example of learning
is behavior	CH A Cognition B Procedural
CH A Instinctive B Ethical	Behavior: The way the animal responds to something. $\rightarrow B$
10 C Classical conditioning D Acquired	Benution the way are annual responde to companying.
to previous experiences. For example, walking is	88 In what period does the printed behavior of the
an instinctive behavior $\rightarrow A$	Animal consist? CH A Incubation period B Sensitive Period
84 I coming that have seen and an accuracy time different	10CPeriod of perceptionDSensitive renou10CPeriod of perceptionDLearning period
types of stimuli	Sensitive periods are periods of psychological development
CH A Familiarity B Procedural learning	In the animal \rightarrow B
10 C Classical conditioning D Cognition	80 The use of chimpanzees a stone to break and open fruits is
Conditional classical learning: occurs when two different types of stimuli are linked. Fx : dog booking between the	an example of
sound of the bell and the presence of food in Pavlov's	CH A Fixed performance pattern
experiments. $\rightarrow C$	10 B Printed behavior
85 Linking the hird to the enter seting the word butterfly	C Cognitive Behavior
and the disease is an example	D Conditional learning
CH A Familiarity B Procedural learning	Cognitive Behavior: Includes thinking, reasoning, problem solving. $\rightarrow C$
10 C Printed behavior D Cognition	501ymg. /C
Procedural learning Ex: tying the bird between the eating of the butterfly and the angelic disease. $\rightarrow B$	

90	Crow break eggs for feeding, this behavior
CH 10	A Cognitive B Conditional
10	Cognitive Behavior: Includes thinking, reasoning, problem
	solving →A
01	Rehavior leads to fighting relationships between two
	individuals of the same kind
СН	A Conflict B Nursery
10	C Immigration D Maze
	Conflict behavior: A combat relationship between two individuals of the same type $\rightarrow A$
92	hat behavior does one chicken control over others?
CH 10	A Conflict B Nursery C Immigration D Hierarchy
10	Hierarchy of dominion (behavior of dominion): control of one
	chicken on the other. $\rightarrow D$
93	Which behavior shows seasonal movement of animals to
	new locations?
CH	A Migratory Behaviors
10	B Cognitive behaviors
	Dominance merarchies
	Fam Migratory Behaviors: seasonal movement of animals
	to new locations, like birds. $\rightarrow A$
94	Which type of learned behavior occurs only
	during an animal's sensitive period?
CH	A Migratory Behaviors
10	B Cognitive behaviors
	C Dominance hierarchies
	D Imprinting
	first object they see after birth. $\rightarrow D$
95	What's not true about nheromones?
CH	A Predators can detect them
10	B Used in reproduction
	C Chemicals
	D Used in communication
	Pheromones: highly specific chemicals spread by animals to
	communicate where the predators can't detect them. $\rightarrow A$
96	During your visit to the zoo, you saw a peacock
	(the male peafowl) exposing its train (feather tail) in to impress females. This behavior is
СН	A Altruistic B Competitive
10	C Courting D Communication
	Courting behaviors: used to attract a mate. \rightarrow C
97	Guaranteeing a higher chance of offspring survival
	is an example of what behavior?
10	C Courting D Nurturing
	Nurturing behaviors: Parents provide care to
	their offspring, increasing the chance of
	offspring survival. $\rightarrow D$
98	What do agonistic behaviors and
СН	territorial behaviors have in common?
10	B They are competitive behaviors
	C They are based on biological rhythms.
•	
	D They require auditory communication.
	D They require auditory communication. Agonistic behaviors occur in competitive
	D They require auditory communication. Agonistic behaviors occur in competitive situations, and include aggressive, submissive, and defensive behaviors

99	Behavior in which an animal benefits
	another at a cost of itself
CH	A Migratory B Altruistic
10	C Courting D Nurturing
	cost of themselves, workers in beehives perform
	altruistic behavior; collecting nectar and caring
	for the queen and offspring. \rightarrow B
100	
100 CH	A Migratory B Altruistic
10	C Competitive D Nurturing
	Workers in beehives perform altruistic
	behavior →C
101	
101	which resembles the greatest population or quantity in bee bives members?
СН	A Female workers B Queens
10	C Males D Wasps
	Beehives contain a reproductive female called
	a queen, several male bees to reproduce, and
	many temale workers. $\rightarrow A$
102	Which best defines innate behavior?
СН	A Established learning pattern
10	B Genetically based instinct
	C Imprinted conditioning
	D stimulus-based response
	Behaviors are referred to as innate when the same
	behavior commonly is observed among a large
	number of individuals within a population,
	even if the environments are different. $\rightarrow A$
102	What maintains the daily shother of the
103	what maintains the daily rhythm of the sleen/wake cycle in many animals?
	sicep/wake cycle in many animals.
CH	A Hibernation behaviors
CH 10	A Hibernation behaviorsB Temperature changes
CH 10	 A Hibernation behaviors B Temperature changes C An internal biological clock
CH 10	 A Hibernation behaviors B Temperature changes C An internal biological clock D Availability of food and water
CH 10	 A Hibernation behaviors B Temperature changes C An internal biological clock D Availability of food and water Many animals have an internal clock that maintains
CH 10	 A Hibernation behaviors B Temperature changes C An internal biological clock D Availability of food and water Many animals have an internal clock that maintains the daily rhythm of the sleep/wake cycle. →C
CH 10	A Hibernation behaviors B Temperature changes C An internal biological clock D Availability of food and water Many animals have an internal clock that maintains the daily rhythm of the sleep/wake cycle. \rightarrow C
CH 10 104	 A Hibernation behaviors B Temperature changes C An internal biological clock D Availability of food and water Many animals have an internal clock that maintains the daily rhythm of the sleep/wake cycle. →C
CH 10 104 CH	 A Hibernation behaviors B Temperature changes C An internal biological clock D Availability of food and water Many animals have an internal clock that maintains the daily rhythm of the sleep/wake cycle. →C Altruistic behavior is an example of what behaviors? A Migratory B Cooperative
CH 10 104 CH 10	A Hibernation behaviors B Temperature changes C An internal biological clock D Availability of food and water Many animals have an internal clock that maintains the daily rhythm of the sleep/wake cycle. \rightarrow C Altruistic behavior is an example of what behaviors? A Migratory B Cooperative C Courting D Nurturing
CH 10 104 CH 10	AHibernation behaviorsBTemperature changesCAn internal biological clockDAvailability of food and waterMany animals have an internal clock that maintains the daily rhythm of the sleep/wake cycle. \rightarrow CAltruistic behavior is an example of what behaviors?AMigratoryBCCooperativeCDNurturing Cooperative behaviors: Altruistic behavior and
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CH 10 104 CH 10 105	 A Hibernation behaviors B Temperature changes C An internal biological clock D Availability of food and water Many animals have an internal clock that maintains the daily rhythm of the sleep/wake cycle. →C Altruistic behavior is an example of what behaviors? A Migratory B Cooperative C Courting D Nurturing Cooperative behaviors: Altruistic behavior and self-sacrificing behaviors→B
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CH 10 104 CH 10 105 CH 10	 A Hibernation behaviors B Temperature changes C An internal biological clock D Availability of food and water Many animals have an internal clock that maintains the daily rhythm of the sleep/wake cycle. →C Altruistic behavior is an example of what behaviors? A Migratory B Cooperative C Courting D Nurturing Cooperative behaviors: Altruistic behavior and self-sacrificing behaviors→B Which form of communication has the shortest range? A Visual cues B Auditory messages C Pheromone signals. D Infrasonic sound waves Pheromones: highly specific chemicals spread by animals to communicate where the predators can't
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CH 10 104 CH 10 105 CH 10 106	A Hibernation behaviors B Temperature changes C An internal biological clock D Availability of food and water Many animals have an internal clock that maintains the daily rhythm of the sleep/wake cycle. →C Altruistic behavior is an example of what behaviors? A Migratory B Cooperative C Courting D Nurturing Cooperative behaviors: Altruistic behavior and self-sacrificing behaviors. .→B Which form of communication has the shortest range?
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CH 10 104 CH 10 105 CH 10 106 CH 10	A Hibernation behaviors B Temperature changes C An internal biological clock D Availability of food and water Many animals have an internal clock that maintains the daily rhythm of the sleep/wake cycle. →C Altruistic behavior is an example of what behaviors? A Migratory B Cooperative C Courting D Nurturing Cooperative behaviors: Altruistic behavior and self-sacrificing behaviors. .→B Which form of communication has the shortest range? .→B A Visual cues B B Auditory messages .→B C Pheromone signals.
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CH 10 104 CH 10 105 CH 10 106 CH 10	A Hibernation behaviors B Temperature changes C An internal biological clock D Availability of food and water Many animals have an internal clock that maintains the daily rhythm of the sleep/wake cycle. \rightarrow C Altruistic behavior is an example of what behaviors? A Migratory B Cooperative C Courting D Nurturing Cooperative behaviors: Altruistic behavior and self-sacrificing behaviors. \rightarrow B Which form of communication has the shortest range? A Visual cues B Auditory messages C Pheromone signals. D Infrasonic sound waves Pheromones: highly specific chemicals spread by animals to communicate where the predators can't detect them. \rightarrow B What is another way to describe animal behavior that is altruistic? A Communal B Mutualistic C Self-sacrificing behaviors: Altruistic behavior and self-sacrificing behaviors: \rightarrow C