

Test: Ecology NCE - MS

Question 1 of 75

What is the science of farming known as?

- A) Animal Husbandry
- B) Botany
- C) Agriculture
- D) Horticulture

Question 2 of 75

What science of production, distribution, and consumption of goods and services studies the biosphere for natural capital?

- A) Mathematics
- B) Psychology
- C) Economics
- D) Geology

Question 3 of 75

What process is the increased growth in cities?

- A) Cityziation
- B) Metrotization
- C) Urbanization
- D) Gentrification

Question 4 of 75

What phenomenon refers to the steady increase in temperature due to emission of greenhouse gases?

- A) Global Warming
- B) Global Softening
- C) Global Melting
- D) Global Cooling

Question 5 of 75

What largest island is covered in 80% ice and contains 10% of the world's freshwater?

- A) Sri Lanka
- B) Iceland
- C) Greenland
- D) Madagascar

Question 6 of 75

Making a house run on 100% renewable energy is known by what three word term?

- A) Taking the drill
- B) Using the light
- C) On the map
- D) Off the grid

Question 7 of 75

Walden and Langley are two examples of what sort of body of still water smaller than a lake?

- A) Lagoon
- B) Swamp
- C) Fen
- D) Pond

Question 8 of 75

Which animal is also known as the American bison?

- A) Bull
- B) Buffalo
- C) Zebra
- D) Horse

Question 9 of 75

How much precipitation do deserts receive each year?

- A) 250 liters
- B) 250 millimeters
- C) 250 picometers
- D) 250 micrometers

Question 10 of 75

Snapping, Box, and Sea are all types of what reptile?

- A) Iguana
- B) Turtle
- C) Lizard
- D) Snake

Question 11 of 75

Which of the following IUCN listings is the highest risk?

- A) Endangered
- B) Near Threatened
- C) Critically Endangered
- D) Vulnerable

Question 12 of 75

Which of the following is an expedition to observe or hunt animals in their natural habitat, particularly in East Africa?

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- A) Odyssey
 - B) Journey
 - C) Pilgrimage
 - D) Safari

Question 13 of 75

Earthworms are classified as which of the following types?

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- A) Producer
 - B) Recycler
 - C) Consumer
 - D) Decomposer

Question 14 of 75

What harmful form of precipitation occurs due to sulfur dioxide and nitrogen oxide?

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- A) Freezing rain
 - B) Acid rain
 - C) Sleet
 - D) Hail

Question 15 of 75

What is the largest animal known to ever exist?

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- A) Woolly Mammoth
 - B) Blue Whale
 - C) African Elephant
 - D) Great White Shark

Question 16 of 75

What term refers to a group of species interacting with one another?

- A) Biome
- B) Population
- C) Community
- D) Ecosystem

Question 17 of 75

The role a species plays in its ecosystem is known by what term?

- A) Ecological role
- B) Ecological niche
- C) Ecological corner
- D) Ecological function

Question 18 of 75

What heritable traits enable individual organisms to survive through natural selection and reproduce more than other individuals under the prevailing environmental conditions?

- A) Adaptive traits
- B) Modifying traits
- C) Flexible traits
- D) Robust traits

Question 19 of 75

What term refers to the variety of earth's species and the genes they contain?

- A) Biomulteity
- B) Biovariousness
- C) Biodiversity
- D) Biouniformity

Question 20 of 75

What bird has a metabolism 77 times faster than a human and is capable of 60-80 wingbeats per second?

- A) Heron
- B) Seagull
- C) Hummingbird
- D) Owl

Question 21 of 75

What animal's adult males are referred to as "silverbacks"?

- A) Chipmunks
- B) Alligators
- C) Apes
- D) Monkeys

Question 22 of 75

Which insect is a vector for dengue, malaria, West Nile, and yellow fever?

- A) Cicada
- B) Termites
- C) Mosquitos
- D) Botfly

Question 23 of 75

What endangered bear has a diet that is 99% leaves and bamboo shoots?

- A) Grizzly Bear
- B) Black Bear
- C) Giant Panda
- D) Polar Bear

Question 24 of 75

What term refers to the increase in concentration of toxins while moving higher up the food chain?

-
- A) Food Chain Regression
 - B) Food Chain Multiplier
 - C) Toxin Amplification
 - D) Biomagnification

Question 25 of 75

An interaction that benefits one species with little to no impact on the other species is _____?

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- A) Commensalism
 - B) Free Rider
 - C) Parasitism
 - D) Mutualism

Question 26 of 75

What kind of species maintains the health of many surrounding species in the same environment and whose extinction may dramatically alter the function and structure of a community?

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- A) Indicator species
 - B) Critical species
 - C) Impact species
 - D) Keystone species

Question 27 of 75

Specialized bacteria and blue-green algae are capable of what ammonia producing process?

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- A) Oxygen fixation
 - B) Haber Process
 - C) Ostwald Process
 - D) Nitrogen fixation

Question 28 of 75

On land, over 90% of the water reaches the atmosphere through what process that begins on the surfaces of plants?

- A) Transpiration
- B) Ablation
- C) Turgor pressure
- D) Cavitation

Question 29 of 75

What London born primatologist is best remembered for her contributions to studying chimpanzees at Gombe National Park?

- A) Jane Goodall
- B) Tina Atlas
- C) Tracy Perkins
- D) Diane Waterman

Question 30 of 75

What terrestrial biome is separated into "dry forests" and "rainforests"?

- A) Everglade Forests
- B) Taiga Forests
- C) Amazonia Forests
- D) Tropical Forests

Question 31 of 75

What author wrote about the dangers of DDT in Silent Spring?

- A) Rachel Carson
- B) Trystan McMan
- C) Leah Smithson
- D) Cole Whitehead

Question 32 of 75

What is the capacity of systems both natural and human cultured to survive and flourish?

- A) Limiting Capacity
- B) Perseverance
- C) Sustainability
- D) Lockwood Limit

Question 33 of 75

The countries Bolivia, Chile, and Argentina have about 80% of the global reserves of what element which is used in rechargeable ion batteries?

- A) Lithium
- B) Oxygen
- C) Helium
- D) Tungsten

Question 34 of 75

What geographical feature releases molten rock from the Earth's interior?

- A) Geyser
- B) Crater
- C) Mountain
- D) Volcano

Question 35 of 75

What fractures in the Earth's crust can suddenly break causing an earthquake?

- A) Carper
- B) Crack line
- C) Creep
- D) Fault

Question 36 of 75

What are the three Rs?

- A) Repair, Round, Reuse
- B) Recycle, Repair, Regulate
- C) Reduce, Reuse, Recycle
- D) Resize, Recycle, Reuse

Question 37 of 75

What term refers to behavior that results in one species preying another?

- A) Parasitism
- B) Predation
- C) Hunting
- D) Symbiosis

Question 38 of 75

What behavior results in a reduction in fitness between organisms that engage in it due to conflict over resources?

- A) Tropism
- B) Gathering
- C) Imprinting
- D) Competition

Question 39 of 75

Which of the following is a technique for conserving soil resources and fertility?

- A) Crop elevation
- B) Crop rotation
- C) Crop microing
- D) Crop rocking

Question 40 of 75

What campaign symbol had a slogan that "Only YOU can prevent forest fires."?

- A) Sammy the Deer
- B) Smokey the Bear
- C) Lenny the Alligator
- D) Happy the Hippo

Question 41 of 75

What national park in Tanzania is famed for its Wildebeest migration?

- A) Lake Malawi National Park
- B) Golden Gate Highlands National Park
- C) Big Bend National Park
- D) Serengeti National Park

Question 42 of 75

Which of the following is a symbiotic relationship between algae and fungi?

- A) Mitkan
- B) Eopen
- C) Lichen
- D) Aotlan

Question 43 of 75

Which of the following is an example of biological control?

- A) Introducing parasitic wasps to combat aphid population
- B) Reintroducing wolves to isle royale after a plummet in population
- C) Introducing beavers to produce natural dams on rivers
- D) Building a physical barrier such as a fence to prevent migration

Question 44 of 75

Which of the following is an example of mutualism?

- A) Badgers and snakes
- B) Bears and trees
- C) Anemones and clownfish
- D) Termites and anteaters

Question 45 of 75

What number refers to the amount of a population an environment can sustain given available resources?

- A) Potential limit
- B) Carrying Capacity
- C) Survivability Capacity
- D) Limiting Capacity

Question 46 of 75

What is the name of water bearing surfaces found in the ground?

- A) Reservoirs
- B) Aquifers
- C) Aqueducts
- D) Drains

Question 47 of 75

In tropical rainforests, what strata is highest in height?

- A) Canopy
- B) Under story
- C) Shrub layer
- D) Emergent layer

Question 48 of 75

Sherwood Rowland and Mario Molina were among the scientists that demonstrated what additives were harmful to the environment and depleting the ozone layer at the south pole?

- A) CFCs
- B) CFQs
- C) CFBs
- D) CFDs

Question 49 of 75

What collection of marine debris is actually two distinct collections bounded by the namesake ocean's subtropical gyre?

- A) Great Atlantic Garbage Patch
- B) Great Pacific Garbage Patch
- C) Great Arctic Garbage Patch
- D) Great Indian Garbage Patch

Question 50 of 75

What term refers to a dry area on the leeward side of a mountainous area?

- A) Rain shadow
- B) Sun shadow
- C) Sun shade
- D) Rain shade

Question 51 of 75

What biome can be typed into Meadows, Steppes, and Savannahs?

- A) Tundra
- B) Woodlands
- C) Taiga
- D) Grasslands

Question 52 of 75

What mammals lay eggs rather than bearing their young in the womb?

- A) Monotremes
- B) Polytremses
- C) Nectators
- D) Allotremes

Question 53 of 75

What insect is suffering from an abnormal disappearance known as colony collapse disorder?

- A) Dragon flies
- B) Mosquitos
- C) Ants
- D) Honey Bees

Question 54 of 75

What type of species is characterized by high growth rate, producing many offspring with low probability of survival?

- A) b-selection
- B) m-selection
- C) k-selection
- D) r-selection

Question 55 of 75

What set of nonlinear differential equations initially developed in 1910 for use in chemistry is now used to model predator prey relationships?

- A) Terram-Molllow
- B) Fare-Mallus
- C) Lotka-Volterra
- D) Hulst-Trystan

Question 56 of 75

What country from 2016-2020 has had the largest ecological footprint per capita and runs a biocapacity deficit of -14.14?

- A) China
- B) United States
- C) Luxembourg
- D) Kuwait

Question 57 of 75

What sort of substances are classified as either point source or non-point source?

- A) Carcinogens
- B) Clathrates
- C) Pollutants
- D) Greenhouse gases

Question 58 of 75

Evaporation, transpiration, runoff, condensation, and precipitation are all part of what cycle?

- A) Hydrologic cycle
- B) Hygrolic cycle
- C) Hydrolitic cycle
- D) Hypergolic cycle

Question 59 of 75

What process refers to gradual change in species composition in a given area?

- A) Ecological Revolution
- B) Ecological Progression
- C) Ecological Evolution
- D) Ecological Succession

Question 60 of 75

What rate can be measured at a "replacement level" to determine the average number in one generation needed to replace the previous generation?

- A) Death rate
- B) Hand-off rate
- C) Fertility rate
- D) Birth rate

Question 61 of 75

What three staple foods make up two-thirds of the world's food energy intake?

- A) Meat, fruits, wheat
- B) Corn, rice, and beans
- C) Nuts, beans, wheat
- D) Wheat, corn, and rice

Question 62 of 75

Which of the following is a class of microscopic photosynthetic algae, protists, and bacteria?

- A) Phytodoms
- B) Phytoplankton
- C) Phytolindos
- D) Phytoflagellates

Question 63 of 75

What term refers to all animal life in a particular region?

- A) Flora
- B) Biota
- C) Zoota
- D) Fauna

Question 64 of 75

What is the biggest dam in the United States?

- A) Thief Valley Reservoir
- B) Glen Canyon Dam
- C) Hoover Dam
- D) International Falls Dam

Question 65 of 75

What activity is principally responsible for degradation and destruction of 58% of the world's coastal sea-grass beds?

- A) Surfing
- B) Scuba diving
- C) Dredging
- D) Mining

Question 66 of 75

The world's largest hydroelectric dam sits on a river in what country?

- A) India
- B) Mexico
- C) United States
- D) China

Question 67 of 75

Egrets and Bitterns are members of what class of birds?

- A) Ibises
- B) Cranes
- C) Storks
- D) Herons

Question 68 of 75

What state is the Petrified National Forest in?

- A) Oregon
- B) Minnesota
- C) Alaska
- D) Arizona

Question 69 of 75

Maasai Mara National Reserve is located in what country?

- A) Somalia
- B) Ethiopia
- C) Kenya
- D) Uganda

Question 70 of 75

Humpback whales are known to jump out of the water, a behavior known by what term?

- A) Sailing
- B) Posing
- C) Breaching
- D) Arching

Question 71 of 75

Which of the following is a term to describe the migratory pattern of birds between their breeding grounds and winter holdings?

- A) Flyway
- B) Flight line
- C) Fly path
- D) Flight path

Question 72 of 75

What zoo opened in 1889 is a part of the Smithsonian Institute?

- A) The American Zoo
- B) National Zoo
- C) Chester Zoo
- D) Lincoln Park Zoo

Question 73 of 75

Who argued that famine, plague, and war would result if limits on birth weren't imposed in "Essay on the Principle of Population"?

- A) Thomas Malthus
- B) David Ricardo
- C) John Stuart Mill
- D) Adam Smith

Question 74 of 75

What environmental phenomenon occurs due to addition or loss of a top predator in a food chain?

- A) Regeneration response
- B) Trophic cascade
- C) Locotic cascade
- D) Autic response

Question 75 of 75

What English naturalist proposed the theory of evolution independently of Charles Darwin?

- A) Alfred Russel Wallace
- B) Francis Drake
- C) Samuel Fairchild
- D) David Kensington