

Literacy test for **Sustainability** (Student)



Lefke Avrupa Üniversitesi

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Sustainability Test

Student no:

Date:

Name-Surname:

Duration: 60 minutes

Section 1	Section 2	Total

Attention: There are 40 questions (2.5 points each). **Answers MUST be filled into the provided ANSWER SHEET.**

Section I

- 1) _____ of fossil fuels are decreasing.
a. Net energy yield b. Consumption c. Demand d. Cost e. All of the above
- 2) _____ agriculture uses heavy equipment, large amounts of financial capital, fossil fuels, water, pesticides, inorganic fertilizers and produce only single crops or monocultures.
a. Local b. Permaculture c. Polyculture d. Organic e. Industrial
- 3) Extinction rate is likely to increase 10000 times of _____ rate due to habitat loss, climate change, ocean acidification and other environmental harmful effects.
a. foreground extinction b. background extinction c. foreground creation
d. background creation e. None of the above
- 4) Tree plantations are low in _____.
a. population density b. biodiversity c. oxygen d. sunlight e. rain
- 5) _____ is a mixture of primary and secondary pollutants formed under the influence of UV radiation from the sun.
a. Acidity b. Radiation pollution c. Acidification d. Photochemical smog e. Sulphur
- 6) Which one of the following energy sources need costly backup and storage systems?
a. Nuclear b. Geothermal c. Natural gas d. Coal e. Wind & solar
- 7) Human ecological footprint and fishprint is _____.
a. expanding b. contracting c. sustainable d. stable e. None of the above

8) The letter "O" in HIPPCO means:

- a. Oxygen b. Overcrowding c. Overexploitation d. Ozone e. Osmosis

9) Lack of habitat, overhunting, pollution and inability of captive bred species to survive in wild are the reasons why _____ cannot preserve species.

- a. rewilding b. plant-based diets c. minimalism d. zoos and aquariums e. Parasitism

10) _____ occurs when an intact habitat like forest or natural grassland is divided by roads, logging operations, crop fields, and urban development.

- a. Habitat fragmentation b. Habitat upgrading c. Meta-habitat d. Ruralisation e. Salinity

11) _____ of the world's commercial fisheries are operated at full capacity or overfished.

- a. All b. None c. Most d. Few e. None of the above

12) Which one of the following consumes the most water?

- a. A cup of tea b. A non-vegan burger c. A plant-based burger d. A loaf of bread e. A carrot

13) Which one of the following is NOT a problem for soil health?

- a. Salinization b. Erosion c. Pollution d. Acidification e. Earthworm infestation

14) _____ is NOT the cause of wood waste in USA.

- a. recycling b. excessive packaging c. construction waste d. junk mail e. None

15) Industrialized agriculture mostly relies on _____.

- a. manure b. synthetic fertilizers c. organic compost d. forests e. None of the above

16) _____ of world's water is available for us as liquid freshwater which is stored in underground or lakes, streams and rivers.

- a. Majority b. A vast amount c. Half d. A tiny amount e. None

17) Which one of the following product is the least energy efficient in terms of land use?

- a. Wheat b. Bean c. Orange d. Animal flesh e. Corn

18) _____ resources are renewable resources.

- a. Mineral b. Freshwater c. Fossil fuel d. Metal e. None of the above

19) Modern civilization currently depends mostly on _____ energy for its energy needs.

- a. wind b. fission c. fossil fuel d. hydropower e. biomass

20) _____ are chemicals that cause birth defects.

- a. Toxics b. Carcinogens c. Teratogens d. Mutagens e. None of the above

Section II

- 1) Human ecological footprint and fishprint is _____.
- a. expanding b. contracting c. stable d. sustainable
- 2) _____, dramatic changes in climate can be observed within small distances.
- a. In grasslands b. In tundra c. On mountains d. In deserts
- 3) _____ indicate responsibility to save most important resources of our World to future generations.
- a. Ethics b. Win-win solutions c. Full cost pricing d. Chemical cycles
- 4) Species that accidentally or deliberately enter the ecosystem or species that migrate into the ecosystem are called _____ species.
- a. Parasitic b. Non-native c. Specialist d. Generalist
- 5) _____ resources CANNOT be depleted by human activities.
- a. Fossil fuel b. Renewable c. Non-renewable d. Inexhaustible
- 6) _____ cannot preserve species because of lack of habitat, overhunting, pollution and inability of captive bred species to survive in wild.
- a. Ethics b. Reducing consumerism c. Eating a plant based diet d. Zoos and aquariums
- 7) "Most of the USA food supply comes from native species". True or false?
- a. True b. False
- 8) _____ species have wide niches and can adapt to various conditions, places and feed on different type of species.
- a. Primitive b. Specialist c. Generalist d. Advanced
- 9) We are in the midst of the _____ caused by the technological activities.
- a. sustainability b. economic downturn c. 6th mass extinction d. food shortage
- 10) "People are migrating away from urban areas to rural areas in search for job opportunities".
- a. True b. False
- 11) Which transportation mode does NOT require schedules during operation?
- a. Bus b. Bicycle c. Airplane d. Train

12) Most _____ are unsustainable systems; they occupy 3% of the land on earth while consuming 75% of the resources and create 75% of the World's pollution and waste.

- a. rural areas b. forests c. lakes d. urban areas

13) When we make a process more efficient or cheaper, it leads to _____ resource consumption.

- a. more b. less c. the same d. None of the above

14) As the _____ of women decreases, chances of having more children increases.

- a. height b. age of marriage c. family members d. weight

15) "A specie's niche means its habitat where it lives". True or false?

- a. True b. False

16) Moving from current diets to a diet that excludes animal products saves _____.

- a. land b. water c. animals d. All of the above

17) If a population exceeds the _____ of its environment then population crash occurs.

- a. population b. infinite growth c. niche d. carrying capacity

18) As the _____ decreases, spread of diseases and parasites is hindered.

- a. mortality rate b. fertility rate c. population density d. species density

19) _____ obtain their nutrients from the wastes or remainings of other plants or animals.

- a. Autotrophs b. Consumers c. Decomposers d. Sinkers

20) _____ species reproduce at an older age, have less number of off-springs, their off-springs are larger and they grow with parental care and protection.

- a. c-selected b. r-selected c. f-selected d. k-selected