

Literacy test for **Sustainability**  
(Academic Staff)



## Sustainable Development Literacy Test

Participant Name:

Duration: 40 Minutes

Participant Surname:

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# Correct Answers	# Wrong Answers	Total Points (%) :

**1. Which of the following is the primary goal of sustainable development?**

- A) Economic growth
- B) Social equality
- C) Environmental protection
- D) Balancing economic, social, and environmental needs

**2. What does the term "carbon footprint" refer to?**

- A) The carbon emissions produced by cars
- B) The total amount of carbon dioxide emitted by human activities
- C) The carbon content in soil
- D) The natural carbon cycle

**3. Which of the following is a non-renewable resource?**

- A) Solar energy
- B) Wind energy
- C) Fossil fuels
- D) Biomass

**4. The Earth's temperature rise of 1.5°C above pre-industrial levels is a key target set in which international agreement?**

- A) The Kyoto Protocol
- B) The Paris Agreement
- C) The Montreal Protocol
- D) The Rio Declaration

**5. Which of the following best describes "sustainable agriculture"?**

- A) Increasing crop yield at any environmental cost
- B) Using environmentally friendly practices to grow food without depleting resources
- C) Focusing only on organic food production
- D) Using only genetically modified organisms in agriculture

**6. What is the primary greenhouse gas responsible for climate change?**

- A) Nitrous oxide
- B) Methane
- C) Carbon dioxide
- D) Ozone

**7. Which of the following is an example of a renewable energy source?**

- A) Natural gas
- B) Nuclear energy
- C) Wind energy
- D) Coal

**8. Which of the following is a key principle of the "precautionary principle" in environmental policy?**

- A) Prioritize economic growth over environmental protection
- B) Take protective measures when there is a possibility of harm to the environment
- C) Focus on current technology and avoid new innovations

D) Wait for scientific certainty before taking any action

**9. What is the term for the gradual increase in Earth's average surface temperature due to human activities?**

- A) Global warming
- B) Ozone depletion
- C) Greenhouse effect
- D) Acid rain

**10. Which of the following is a major cause of deforestation?**

- A) Conservation efforts
- B) Urbanization and agricultural expansion
- C) Reforestation programs
- D) Sustainable logging practices

**11. Which of the following is a benefit of biodiversity?**

- A) Increased soil erosion
- B) Enhanced ecosystem services
- C) Reduced ecosystem productivity
- D) Increased risk of invasive species

**12. Which international body is responsible for overseeing global environmental agreements and efforts?**

- A) United Nations Environment Programme (UNEP)
- B) World Bank
- C) International Monetary Fund (IMF)
- D) World Trade Organization (WTO)

**13. What does the term "ecological footprint" refer to?**

- A) The size of a species' habitat
- B) The total demand humans place on Earth's ecosystems
- C) The biodiversity in an ecosystem
- D) The area needed to grow food

**14. Which of the following is NOT a sustainable development goal (SDG) of the United Nations?**

- A) No poverty
- B) Affordable and clean energy
- C) Gender equality
- D) Increased use of fossil fuels

**15. The "tragedy of the commons" refers to which of the following?**

- A) Overuse of shared resources due to individual self-interest
- B) Collective management of resources for the greater good
- C) The legal protection of public lands
- D) Reduced pollution due to collective action

**16. What is the role of greenhouses gases in the atmosphere?**

- A) They trap heat and keep the Earth's temperature stable
- B) They deplete the ozone layer
- C) They contribute to acid rain
- D) They cause the melting of glaciers

**17. The concept of "circular economy" emphasizes: A) Increased production and consumption**

- B) Recycling, reusing, and reducing waste
- C) The linear production model
- D) The depletion of natural resources

**18. What is the purpose of a carbon tax?**

- A) To incentivize businesses to use fossil fuels
- B) To increase the cost of carbon-intensive activities and reduce emissions
- C) To promote the use of coal
- D) To promote technological innovations in fossil fuel extraction

**19. Which of the following is a significant contributor to ocean pollution?**

- A) Overfishing
- B) Plastic waste
- C) Coral bleaching
- D) Increased rainfall

**20. What is meant by "environmental justice"?**

- A) Fair distribution of environmental benefits and burdens
- B) Focusing only on the rights of indigenous people
- C) Regulating industries that harm the environment
- D) Limiting the population to preserve resources

**21. Which of the following is the most significant driver of soil erosion?**

- A) Urbanization
- B) Deforestation and improper farming practices
- C) Overgrazing by livestock
- D) Industrial waste dumping

**22. What does the term "sustainable development" primarily aim to balance?**

- A) Economic growth and technological innovation
- B) Economic, social, and environmental needs
- C) Renewable and non-renewable resources
- D) Private interests and public welfare

**23. The Montreal Protocol aims to protect which layer of the atmosphere?**

- A) Troposphere
- B) Stratosphere
- C) Exosphere
- D) Thermosphere

**24. What is the primary goal of the Kyoto Protocol?**

- A) Reduce emissions of greenhouse gases
- B) Promote fossil fuel use
- C) Conserve biodiversity
- D) Prevent deforestation

**25. Which of the following is a key feature of "sustainable cities"?**

- A) Reduced public transportation options
- B) Green spaces and energy-efficient buildings
- C) Expanded use of private cars
- D) Excessive urban sprawl

**26. Which of the following best describes the term "biodegradable"?**

- A) Materials that can be broken down by natural processes
- B) Materials that last for thousands of years
- C) Materials that are non-toxic

D) Materials that are completely synthetic

**27. The practice of planting trees to restore a damaged or destroyed forest is known as:**

- A) Desertification
- B) Deforestation
- C) Afforestation
- D) Reforestation

**28. Which of the following is an example of environmental pollution?**

- A) Solar energy production
- B) Water contamination by industrial waste
- C) Using organic fertilizers
- D) Reducing carbon emissions from vehicles

**29. Which country is known for its pioneering efforts in geothermal energy use?**

- A) Iceland
- B) United States
- C) China
- D) Brazil

**30. What is the main cause of acid rain?**

- A) Excessive use of fossil fuels and industrial emissions
- B) Overuse of fertilizers in agriculture
- C) Deforestation
- D) Global warming



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# Correct Answers	# Wrong Answers	Total Points (%) :

1. **What is the primary goal of sustainable development?**
  - a) Maximizing economic growth
  - b) Balancing environmental, social, and economic needs
  - c) Reducing global population
  - d) Promoting industrialization
2. **Which of the following is considered a renewable resource?**
  - a) Coal
  - b) Wind energy
  - c) Natural gas
  - d) Petroleum
3. **What does the term "carbon footprint" refer to?**
  - a) The amount of carbon dioxide absorbed by plants
  - b) The total amount of greenhouse gases emitted by human activities
  - c) The number of trees planted to offset emissions
  - d) The natural carbon cycle of the Earth
4. **What is the main cause of global warming?**
  - a) Overpopulation
  - b) Increased industrial activities and burning of fossil fuels
  - c) Natural volcanic eruptions
  - d) Deforestation

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5. Which of the following is NOT a consequence of climate change?
- a) Rising sea levels
  - b) Increased frequency of extreme weather events
  - c) Decreased agricultural yields
  - d) Decreased industrial pollution
6. What is the "greenhouse effect"?
- a) The natural process of the Earth warming due to gases in the atmosphere
  - b) The process of plants releasing oxygen
  - c) The reduction of carbon emissions from factories
  - d) The creation of new forests to absorb CO<sub>2</sub>
7. Which international agreement aimed at reducing greenhouse gas emissions was adopted in 2015?
- a) The Kyoto Protocol
  - b) The Paris Agreement
  - c) The Montreal Protocol
  - d) The Stockholm Convention
8. Which of the following practices is most likely to contribute to sustainable agriculture?
- a) Use of chemical pesticides
  - b) Monoculture farming
  - c) Crop rotation and organic farming
  - d) Clearing forests for agricultural land
9. What does "circular economy" emphasize?
- a) Increasing waste production to reduce costs
  - b) Recycling materials and reusing products to minimize waste
  - c) Extracting raw materials without concern for the environment
  - d) Focusing solely on economic growth
10. What is the main goal of the United Nations' Sustainable Development Goals (SDGs)?
- a) To increase global trade
  - b) To promote world peace

- c) To eradicate poverty, protect the planet, and ensure prosperity for all
- d) To reduce global population growth

**11. Which of the following is an example of "green energy"?**

- a) Nuclear power
- b) Solar power
- c) Natural gas
- d) Coal

**12. Which of these is a key principle of sustainable tourism?**

- a) Maximizing tourist numbers regardless of environmental impact
- b) Ensuring local communities benefit economically from tourism
- c) Building large resorts in protected natural areas
- d) Focusing only on high-income tourists

**13. What is meant by "biodiversity"?**

- a) The variety of human cultures around the world
- b) The variety of ecosystems and natural environments on Earth
- c) The range of animal species living in a specific area
- d) The genetic diversity of a single species

**14. What is "water scarcity"?**

- a) Having an abundance of water resources in a region
- b) A condition where water resources are insufficient to meet demand
- c) The process of conserving water in agricultural systems
- d) The distribution of water in oceans

**15. Which of the following is an example of a non-renewable resource?**

- a) Wind
- b) Coal
- c) Solar energy
- d) Biomass

**16. Which of the following is a key benefit of using public transportation over private vehicles?**

- a) Increased individual carbon footprint
- b) Reduced air pollution and greenhouse gas emissions

- c) Increased urban congestion
- d) Reduced energy efficiency

**17. What is "sustainable agriculture"?**

- a) Farming that increases chemical pesticide use
- b) Farming that uses resources in a way that meets current needs without compromising future generations' ability to meet theirs
- c) Farming that focuses only on crop yield
- d) Farming that clears natural habitats for more land

**18. Which sector is responsible for the largest share of global greenhouse gas emissions?**

- a) Agriculture
- b) Energy production
- c) Transportation
- d) Industry

**19. What does "greenwashing" refer to?** a) Real environmental improvements made by companies

- b) A company's efforts to make its practices appear more sustainable than they are
- c) A form of environmental activism
- d) The practice of reusing materials

**20. Which of the following is considered an example of sustainable waste management?**

- a) Throwing away as much plastic as possible
- b) Using composting to recycle organic waste
- c) Disposing of waste in landfills without recycling
- d) Burning waste to generate energy

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