



International Environment & Sustainability Olympiad — Sample Paper

✨ Grade Group 6–8

1. **Which gas do plants release during photosynthesis?**
 - A) Oxygen
 - B) Carbon dioxide
 - C) Nitrogen
 - D) Methane
2. **What is the main cause of global warming?**
 - A) Deforestation
 - B) Increased rainfall
 - C) Overfishing
 - D) Earthquakes
3. **Which of these is a renewable energy source?**
 - A) Coal
 - B) Solar energy
 - C) Natural gas
 - D) Petrol
4. **Throwing plastic in rivers can harm:**
 - A) Birds
 - B) Fish
 - C) Marine animals
 - D) All of the above
5. **Which of these activities helps conserve water?**
 - A) Leaving tap open
 - B) Fixing leaks
 - C) Washing car daily
 - D) Watering lawn every day
6. **Earth Hour encourages people to:**
 - A) Plant trees
 - B) Clean rivers
 - C) Switch off lights for one hour
 - D) Ride bicycles
7. **Which type of pollution affects hearing?**
 - A) Air pollution
 - B) Water pollution
 - C) Noise pollution
 - D) Soil pollution
8. **Which of these is a biodegradable waste?**
 - A) Plastic bag
 - B) Banana peel

- C) Metal can
- D) Styrofoam

9. The ozone layer protects us from:

- A) Ultraviolet rays
- B) Radio waves
- C) Sound waves
- D) Carbon emissions

10. Which symbol represents recycling?

- A) Triangle with arrows
- B) Circle with dot
- C) Square with X
- D) Star

✨ ✨ **Grade Group 9–11**

11. Sustainable development means:

- A) Using more resources now
- B) Saving everything for future
- C) Meeting needs without harming future generations
- D) Cutting down forests

12. Which agreement aims to reduce global warming?

- A) Geneva Convention
- B) Kyoto Protocol
- C) Paris Agreement
- D) Montreal Protocol

13. Rainwater harvesting is used to:

- A) Stop floods
- B) Increase rainfall
- C) Store and reuse rainwater
- D) Clean dirty water

14. A major cause of acid rain is:

- A) CO₂ emissions
- B) Sulfur dioxide emissions
- C) Ozone depletion
- D) Dust storms

15. Which country produces the most solar energy?

- A) India
- B) China
- C) USA
- D) Germany

16. What is “biodiversity”?

- A) Number of forests in a region
- B) Variety of life forms in an area

- C) Number of people in a country
- D) Number of trees planted

17. Mangroves help protect coasts from:

- A) Air pollution
- B) Oil spills
- C) Erosion and storms
- D) Water scarcity

18. “Reduce, Reuse, Recycle” aims to:

- A) Increase landfill waste
- B) Decrease waste generation
- C) Burn garbage
- D) Ban all packaging

19. Which energy source does not emit carbon dioxide?

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

20. Overfishing can lead to:

- A) Cleaner oceans
- B) Fish population collapse
- C) More marine biodiversity
- D) Oil spills

✨ ✨ **Grade Group 11–12**

21. Carbon footprint measures:

- A) Foot size of animals
- B) Amount of CO₂ emissions by an activity
- C) Total number of trees in an area
- D) People affected by climate change

22. Greenwashing refers to:

- A) Using eco-friendly materials
- B) Misleading claims about sustainability
- C) Cleaning forests
- D) Government subsidies for green projects

23. The concept of “carbon trading” is linked to:

- A) Emission reduction quotas
- B) Stock market
- C) Forest conservation
- D) Waste recycling

24. A city designed to minimize energy use and waste is called:

- A) Smart city
- B) Mega city

- C) Eco-city
- D) Industrial city

25. The environmental impact assessment (EIA) is done:

- A) After building is complete
- B) Before starting a project
- C) During construction
- D) Only for dams

26. Which country banned plastic bags first?

- A) India
- B) Rwanda
- C) USA
- D) Japan

27. “Desertification” refers to:

- A) Planting desert plants
- B) Transformation of fertile land into desert
- C) Removal of desert sands
- D) Building houses in desert

28. Ocean acidification is caused by:

- A) Overfishing
- B) Oil spills
- C) CO₂ absorption in seawater
- D) Plastic dumping

29. LEED certification relates to:

- A) Organic farming
- B) Green buildings
- C) Wildlife sanctuaries
- D) Renewable energy

30. Which forest is called the “lungs of the Earth”?

- A) Taiga Forest
- B) Amazon Rainforest
- C) Congo Basin
- D) Sundarbans