



Climate Change Research Institute

World Earth Day 2024 Quiz

24.4.2024

Description:

This Quiz is designed to test and enhance your knowledge about earth day, its theme and plastics impact on the planet. As students, it is essential to understand the severity of this issue and learn how you can contribute to reducing plastic waste. The quiz consists of 4 sections of 35 multiple-choice questions covering topics;

- World Earth Day – 5 Questions
- Planet vs plastics – 15 Questions
- Plastic Pollution Remedies – 5 Questions
- General Quiz (True or False) – 10 Questions

Instructions:

- Read each question carefully and choose the best answer from the provided options.
- Enter your Name, Class and School
- Circle or tick mark your chosen answer on the quiz sheet or answer form provided.
- You will have 20 minutes to complete the quiz. After 18 minutes buzzer will be there and you handover the sheets.
- Each question is worth one point, and there is no penalty for incorrect answers.

Winners will be announced

Name - _____

Class - _____

School- _____

Part 1 – World Earth Day

Q1. When is World Earth Day celebrated?

- a) January 1st
- b) March 22nd
- c) April 22nd
- d) June 5th

Q2. What is the purpose of Earth Day?

- a) To create greater awareness and a movement about planet Earth care
- b) To educate people about air and water pollution and its adverse effects
- c) To take action to protect the planet from pollution and deforestation
- d) All of these

Q3. How many countries (approximately) are participating in Earth Day movement every year?

- a) 102
- b) 150
- c) 193
- d) >200

Q4. What is the Earth Day theme in 2024?

- a) Invest in our Planet
- b) Planet vs Plastic
- c) Climate Action
- d) None of these

Q5. What is special about the day to mark Earth Day?

- a) Earth Day 1973 the United States Environmental Protection Agency was created
- b) Earth Day 2016 Paris Agreement on Climate Change was signed
- c) Earth Day 2020 marked 50 years of celebrations and gone Digital first time owing to Coronavirus
- d) All of these

Part 2 - Planet vs Plastics

Q1. What is the main source for producing plastics?

- a) Coal
- b) Renewable sources of energy
- c) Crude oil
- d) Plants

Q2. Give any 4 uses of plastics in your daily life.

- a) _____
- b) _____
- c) _____
- d) _____

Q3. What are 4 common uses of plastics in automobiles?

- a) _____
- b) _____
- c) _____
- d) _____

Q4. Which of these items takes the longest to decompose?

- a) Plastic bottle
- b) Aluminum can
- c) Cardboard box
- d) Paper bag

Q5. Why we are facing threat for plastic pollution?

- a) Plastic is a biodegradable material so it eventually disintegration
- b) Plastic takes very long to degrade
- c) There is no such thing as plastic waste, all plastic is recyclable
- d) Plastic after use is managed well

Q6. In which country the plastic pollution is highest.

- a) United Kingdom
- b) USA
- c) India
- d) China

Q7. Why single-use plastics are being banned?

- a) Single-use plastics as packaging material have high littering potential in landfills
- b) Single-use plastic as plastic bottles are used in large quantity
- c) Single-use plastic when drifts to ocean causes global pollution
- d) All of these

Q8. What percentage of plastic waste ends up in the oceans?

- a) 10%
- b) 25%
- c) 40%
- d) 60%

Q9. What is the most common type of plastic pollutant found in the ocean?

- a) Plastic straws
- b) Plastic bags
- c) Microplastics
- d) Plastic bottles

Q10. What type of plastic waste is found most in Hills?

- a) Plastic bottles
- b) Plastic straws
- c) Single-use plastic
- d) Plastic packaging material

Q11. What is a microplastic?

- a) Less than 100mL size plastic bottle
- b) Plastic straw cut into small pieces
- c) Small plastic toys
- d) Plastic particles of <5 micron size

Q12. Where plastic waste collects in the sea?

- a) Marine mosh pits
- b) Ocean garbage patches
- c) Sea trash cans
- d) Naval dumping grounds

Q13. What is the Great Pacific Garbage Patch about?

- a) A reef made of plastic waste
- b) A floating island of plastic debris
- c) A type of plastic-eating bacteria
- d) A project to clean up ocean plastic

Q14. Which marine animal is most affected by plastic pollution?

- a) Dolphins
- b) Sea turtles
- c) Whales
- d) Seagulls

Q15. Which of the following is used to manufacture carry bags?

- a) Low density Poly Ethylene (LDPE)
- b) High density Polyethylene (HDPE)
- c) Polypropylene (PP)
- d) Polyvinyl Chloride (PVC)

Part 3: Plastic Pollution Remedies

Q1. What is the main reason for the increase in plastic pollution over the past few decades?

- a) Lack of recycling infrastructure
- b) Increased plastic production of single-use plastics
- c) Improper waste management
- d) All of the above

Q2. What will you do as an individual to reduce plastic pollution?

- a) Use reusable bags and water bottles
- b) Properly dispose of plastic waste
- c) Pick up plastic bottles and segregate waste
- d) All of the above

Q3. Which of the following is the most eco-friendly alternative to plastic water bottles?

- a) Glass bottles
- b) Aluminum cans
- c) Biodegradable plastic bottles
- d) Reusable water bottles

Q4. How plastic recycling does contributes to the environment?

- a) It creates more pollution
- b) It consumes energy and water
- c) It conserves our planet's resources by producing more energy or fuel
- d) It fills up landfills faster

Q5. Which of the following is not one of the 3Rs of plastic waste management?

- a) Reduce
- b) Reuse
- c) Recycle
- d) Replace

Part 4: General Quiz True or False

Q1. Two main categories of plastics are Thermoplastics and Thermosetting.

True / False

Q2. Plastics have long life of few hundred years.

True / False

Q3. Plastic cannot conduct electricity.

True / False

Q4. On Earth plastic causes pollution in air, on land, in Ocean.

True / False

Q5. Ten million tonnes of plastic waste is going on average per year into ocean.

True / False

Q6. Food containers and caps are made of Polypropylene.

True / False

Q7. Pipes, electrical cable insulation are made of PVC.

True / False

Q8. Soap Bottles are made of HDPE.

True / False

Q9. All types of plastics can be recycled?

True / False

Q10. Epoxy resin is a thermoplastic.

True / False