

Earth Day Quiz



1. More than half of the breathable oxygen in the world comes from where?

- A. Forests
- B. Oceans**
- C. Flowering Plants
- D. Clouds.

Actually, more than half of our breathable oxygen comes from the ocean, the majority of which is provided by tiny plants called phytoplankton.

2. How much of the world's oxygen is produced by just the Amazon rainforest?

- A. 1%
- B. 5%
- C. 10%
- D. 20%**

Trees convert carbon dioxide into oxygen. More than 20 percent of the world's breathable oxygen — one in five breaths — is produced in the Amazon rainforest alone.

3. How much oxygen does an average 50-year-old tree provide?

- A. Enough for 1 person/year
- B. Enough for 4 people/year**
- C. Enough for 8 people/year
- D. Enough for 10 people/year

Enough for 4 people a year. Assuming it lives 50 years, a single tree will produce 6,000 pounds of breathable oxygen in its lifetime, enough for about four people a year.

4. Around the world, how many indigenous people live in forests?

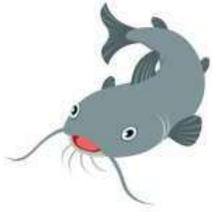
- A. 1 million
- B. 5 million
- C. 8 million
- D. 50 million**

Forests are home to 50 million indigenous people around the world, more than the populations of Tokyo, Mexico City, London, New York City and Cairo combined.

5. Which land-based ecosystem holds the most biodiversity, i.e. concentration of plants and animals?

- A. Tropical forests**
- B. African savannah
- C. South Pacific Islands
- D. Coral reefs.

Tropical forests cover less than 7 percent of Earth's land mass but are home to about 50 percent of all living things on the planet.



6. How many people in the world are dependent on fish as their main source of daily protein?

- A. 33%
- B. 43%**
- C. 53%
- D. 63%

43% of the world's population eats fish every day.

7. What percentage of crops are dependent on bee pollination in the U.S.

- A. 100%
- B. 30%
- C. 65%
- D. 90%**

Bee pollination is vital to maintaining life on our planet. In the U.S. alone, pollination produces nearly \$20 billion worth of products every year and \$217 billion worldwide.

8. What can you do to help protect coral reefs?

- A. Buy and use oxybenzone and octinoxate-free sunscreen
- B. Avoid purchasing coral
- C. Choose seafood that has been sustainably sourced.
- D. All of the above**

All of the above

9. How are microplastics (plastics that are less than 5 millimeters long) a threat to crustaceans?

- A. Microplastics are not a threat to crustaceans because they are biodegradable and safe to digest.
- B. Microplastics are so small that they do not post any harm to crustaceans or humans.
- C. Microplastics can damage organs and increase exposure to toxic chemicals.**
- D. None of the above.

This can threaten immune function, growth and reproduction. This has potentially larger implications up the food chain for humans.

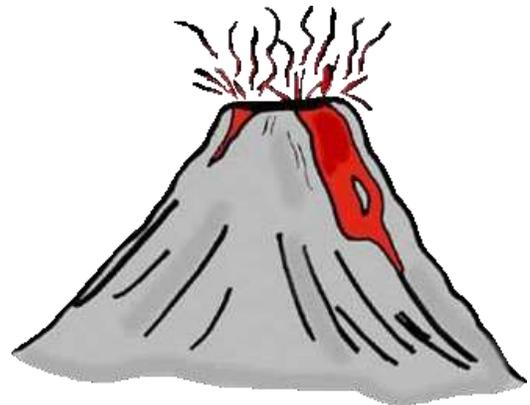
10. Which of the following are threatened with extinction?

- A. Giraffes
- B. Elephants
- C. Corals
- D. Whales

Sadly, all of the above

11. Where is the largest active volcano on the planet?

- A. Italy
- B. United States**
- C. Japan
- D. Mexico



At more than 4 kilometers above sea level, Hawaii's Mauna Loa is the largest volcano on the planet.

12. Which country is home to the greatest biodiversity of plants and animals?

- A. Costa Rica
- B. Brazil**
- C. China
- D. Ecuador

Brazil is estimated to host between 15-20% of the world's biological diversity.

13. On average, what is the approximate daily home water use for each person in the U.S.?

- A. 25 gallons
- B. 50 gallons**
- C. 100 gallons
- D. 200 gallons

The United States consumes water at twice the rate of other industrialized nations.

14. On average, what percentage of household water is used outdoors for watering lawns and gardens?

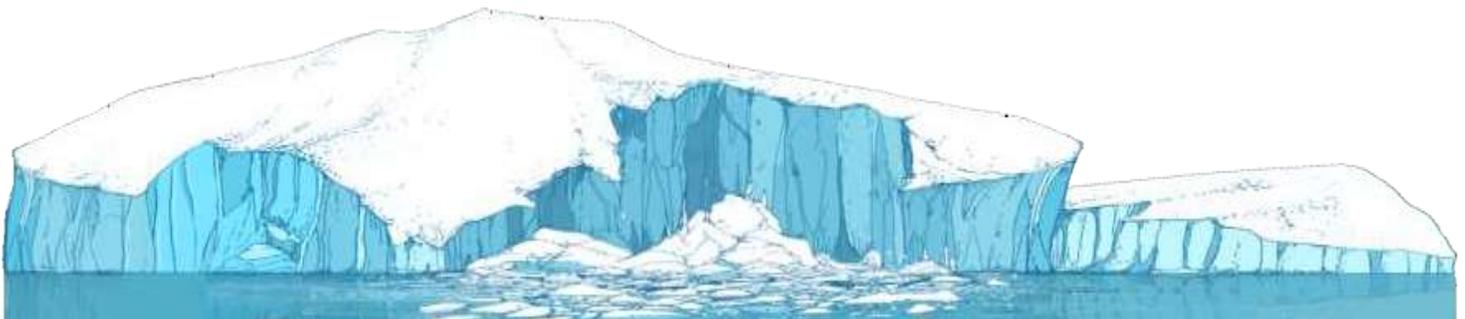
- A. 10-30 %
- B. 30-50 %
- C. 50-70 %**
- D. 70-90 %

To save water, experts recommend never watering at the hottest times of the day or when it's windy.

15. Approximately what percentage of the water in the world can be used to meet the agricultural, residential, manufacturing, community and personal needs of humans?

- A. 1%**
- B. 5%
- C. 25%
- D. 40%

Nearly 97 percent of the world's water is salty or otherwise undrinkable. Another 2 percent is locked in ice caps and glaciers.



16. Approximately how many sheets of 100% virgin copy paper can be made from one tree that is roughly 40 feet tall and 6-8 inches in diameter?
- A. 2,000 sheets
 - B. 8,000 sheets**
 - C. 20,000 sheets
 - D. 50,000 sheets

According to the group Conservatree, one tree makes 16.67 reams (one ream = 500 sheets) of copy paper or 8,333.3 sheets.



17. In the average home, which of the following uses the most water?
- A. Flushing the toilet
 - B. Filling the bathtub
 - C. Taking a 10-minute shower**
 - D. Washing one load of clothes

The shower uses 30-50 gallons of water; flushing the toilet uses 2-7 gallons; filling the bathtub uses 25-30 gallons; washing one load of clothes uses 25-40 gallons.

18. For approximately how long can a person live without water?
- A. Two days
 - B. Four days
 - C. One week**
 - D. Two weeks

A person can live about a month without food but can only live about one week without water.

19. Which of the following takes the longest time to break down or disintegrate?
- A. Disposable diaper
 - B. Hard plastic container
 - C. Aluminum can
 - D. Plastic G-pack holder**

It takes 450 years for a plastic G-pack holder to disintegrate.

20. Which of the following accounts for the greatest percentage of total waste in the U.S.?
- A. Yard trimmings
 - B. Paper**
 - C. Plastics
 - D. Glass



Every year, enough paper is thrown away to make a 12'-high wall stretching from New York to California.

21. In the same amount of time, which of the following home appliances consumes the most electricity?
- A. Space heater
 - B. Hair dryer
 - C. Computer and monitor
 - D. Water heater**

The water heater uses approximately 4,000 watts, more than double of any of the other appliances.

22. Which of the following accounts for the greatest percentage of a typical home energy bill?

- A. Heating and cooling
- B. Clothes washer and dryer
- C. Computer and monitor
- D. Refrigerator

Heating and cooling accounts for 49 percent; the clothes washer and dryer for 6 percent; electronics for 7 percent; a refrigerator for 5 percent.

23. Which of the following is NOT a renewable resource?

- A. Ethanol
- B. Natural gas
- C. Hydrogen
- D. Methanol

Natural gas is a type of fossil fuel and is a nonrenewable resource; once it is used, it can't easily be replenished.

24. What substance is released into the atmosphere when solid waste, fossil fuels and wood products are burned?

- A. Hydrogen peroxide
- B. Sodium chloride
- C. Carbon dioxide
- D. Calcium sulfate

According to the EPA, the U.S. pumps more carbon dioxide into the atmosphere than any other country in the world. Each U.S. resident contributes about 22 tons of carbon dioxide emissions per year, whereas the world average per capita is about 6 tons.

25. Which of the following U.S. government environmental acts were NOT a result of the first Earth Day demonstrations?

- A. Endangered Species Act
- B. Clean Water Act
- C. Clean Air Act
- D. Marine Mammal Protection Act

The first Earth Day in 1970 also led to the creation of the United States Environmental Protection Agency (EPA). By the end of 1970, the Clean Air Act, the Clean Water Act, and the Endangered Species Act had all been passed in a series of landmark environmental victories. However, the Marine Mammal Protection Act was not passed until two years later.

Sources: propof.com, conservation.org, cnn.com

