

Sustainability Trivia Questions

Round 1

1. With no action to reduce greenhouse gas emissions, Maine's summer climate could be equivalent to _____ by the end of the century. (Answer: Montgomery, AL)
 - a. Boston, MA
 - b. Montgomery, AL
 - c. Washington, DC
 - d. Key West, FL
2. More than ____% of global warming caused by greenhouse gas emissions is absorbed into oceans, causing massive changes. (A: 90%)
 - a. 15%
 - b. 40%
 - c. 75%
 - d. 90%
3. Snowfall in Maine has declined ____% since the late 1800s. (A: 15%)
 - a. 5%
 - b. 15%
 - c. 20%
 - d. 40%
4. The latest science finds that ____% of global warming since 1970 is due to human causes. (A: 100%)
 - a. 15%
 - b. 40%
 - c. 75%
 - d. 100%
5. The Gulf of Maine is warming what percent faster than the rest of the world's oceans? (Answer: 99%)
 - a. 20%
 - b. 50%
 - c. 75%
 - d. 99%
6. CO₂ levels will not stop rising until greenhouse gas emissions are reduced by ____%. (Answer: 80%)
 - a. 30%

- b. 50%
- c. 80%
- d. 100%

7. What is the name of the 15 year old Swedish girl that staged a walk-out to protest inaction on climate change? (Answer: Greta Thurnberg)
- a. Greta Thurnberg
 - b. Marta Adell
 - c. Lucy Brennan
 - d. Astrid Lindgren
8. Without significant changes to reduce greenhouse gas emissions, the earth's coral reefs will be destroyed within _____. (Answer: Our childrens' lifetimes)
- a. 20 years
 - b. Our childrens' lifetimes
 - c. 100 years
 - d. Our lifetime
9. By the end of the century, southern U.S. states will see temperatures above 90 degrees for how many months of the year? (Answer: Five)
- a. Three
 - b. Four
 - c. Five
 - d. Seven
10. On average, how many aluminum soda cans are used in the United States each year? (Answer: 80 billion. We use over 80 billion aluminum soda cans every year, which are recyclable and can be made into a variety of aluminum products.)
- a. 90 million
 - b. 80 billion
 - c. 120 million
 - d. 3 billion
11. How much energy is saved by recycling one aluminum can? (Answer: Recycling one aluminum can saves enough energy to run a TV for 3 hours. This is the equivalent of a half a gallon of gasoline.)
- a. Enough to power a microwave for 30 minutes
 - b. Enough to power the average American home for 4 days
 - c. Enough to power a computer for 15 minutes
 - d. Enough to power a TV for 3 hours

12. How many times can an aluminum can be recycled? (Answer: unlimited number of times)
- 5 times
 - 25 times
 - 100 times
 - Unlimited number of times
13. By what percentage are Portland and South Portland aiming to reduce their total greenhouse gas emissions by 2050? (Answer: 80%)
- 40%
 - 60%
 - 75%
 - 80%
14. The IPCC is an international organization that is run under the guidance of the United Nations. It provides the world with objective, scientific views of climate change and its political and economic impacts. What does IPCC stand for? (Answer: Intergovernmental Panel on Climate Change)
- International Program for Climate Change
 - Intergovernmental Panel on Climate Change
 - International Program for Concerned Citizens
 - Infinite Pizza for Citizen Cravings
15. What is the name for the electricity that any device consumes when turned off but still plugged into an outlet? (Answer: phantom load)
- Dormant electricity
 - Ghost power
 - Phantom load
 - Underused electric
16. Recycling plastic saves how many times more energy compared to burning it in an incinerator? (Answer: 2 times. Americans use 25 million plastic bottles every hour! They can all be recycled!)
- 2 times
 - 0.5 times
 - 3 times
 - None, it takes more energy to recycle
17. What was Portland's recycling rate in 2018? (Hint: It was the 6th highest rate in Maine). (Answer: 38.3%)
- 20.6%
 - 38.3%

- c. 46.5%
- d. 60.8%

18. In 2017, South Portland launched a curbside food waste collection pilot in the Knightville and a portion of the Meetinghouse Hill neighborhoods. As a result of the program, the City diverted approximately how many pounds of food scraps from the waste stream? (Answer: 100,000 pounds. They now have a citywide food waste program)
- a. 10,000 pounds
 - b. 20,000 pounds
 - c. 50,000 pounds
 - d. 100,000 pounds
19. The US Department of Energy (DOE) recommends turning off the monitor and placing the computer on sleep mode if you are not going to use it for more than _____. (Answer: 20 minutes)
- a. 2 hours
 - b. 6 hours
 - c. 45 minutes
 - d. 20 minutes
20. The Cities of Portland and South Portland have committed to using 100% clean, renewable energy for all municipal operations by what year? (Answer: 2040)
- a. 2020
 - b. 2040
 - c. 2060
 - d. 2080
21. How many gallons of gasoline does the average American consume in one year? (Answer: The average American consumes approximately 500 gallons of gasoline per year.)
- a. 150 gallons
 - b. 500 gallons
 - c. 310 gallons
 - d. 750 gallons
22. In 1907, plastics were invented. Since that time, 8.3 billion metric tons of virgin (non-recycled) plastic have been produced. What percentage of this plastic has been recycled? (Answer: 9%)
- a. 5%
 - b. 9%
 - c. 15%
 - d. 22%



23. A large concentration of plastic in the Pacific Ocean between California and Hawaii is roughly the size of which U.S. State? (Answer: Texas)
- a. Rhode Island
 - b. Pennsylvania
 - c. Montana
 - d. Texas
24. Scientists predict that if nothing changes in our plastic consumption habits, by ___ there will be more plastic in the oceans than there are fish. (Answer: 2050)
- a. 2040
 - b. 2050
 - c. 2075
 - d. 2100