

Answers: Sustainability Assessment — Spring, 2022

Thank you for participating in the spring, 2022 sustainability survey! Below you will find answers (**bolded and in purple**) to the assessment portion of the survey, along with a source linked to each correct answer. Remember that your answers to the survey were anonymous – we hope you found it to be a fun challenge! **As always, if you have any questions or would like to get involved with campus sustainability efforts, feel free to contact sustainability@emerson.edu.**

1. What percentage of food produced in the U.S. gets wasted?

0-10 percent

10-20 percent

20-30 percent

30-40 percent

2. ____ refers to the way in which neighborhoods, populated by people of color and of low income, are burdened with a disproportionate number of hazards, including toxic waste facilities, garbage dumps, pollution and foul odors that lower the quality of life.

Gentrification

Environmental racism

Pollution

Colorism

3. Who was the first scientist to identify carbon dioxide as a greenhouse gas?

Eunice Foote, 1856

John Tyndall, 1859

Roger Revelle, 1957

James Hansen, 1988

4. How do plants affect carbon dioxide levels in the atmosphere?

They increase them.

They reduce them.

Plants have no effect on carbon dioxide levels in the atmosphere.

5. The U.S. is responsible for ____% of global greenhouse gas emissions.

5-10 percent

10-15 percent

15-20 percent

20-25 percent

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6. True or false: The City of Boston predicts that climate change will increase the risk of extreme heat, stormwater flooding, and coastal/riverine flooding in downtown Boston.

True

False

7. Fill in the Blank: Recycling an aluminum can uses ___% less energy than producing a new one.

95 percent

75 percent

50 percent

5 percent

None: creating a new aluminum can from virgin materials requires the same amount of energy as recycling one.

8. Multiple Choice: Which of the following is not a greenhouse gas?

Carbon dioxide

Methane

Nitrogen

Fluorinated gasses like CFCs or HFCs

9. Multiple Choice: If everyone on the planet consumed natural resources at the rate of the average American, approximately how many Earths would be needed to support humankind?

Less than 1

1

5

10

10. Say you're taking a one-way, economy flight from New York to London. You might want to make up for those emissions by giving up quarter-pound hamburgers. How many hamburgers would you have to give up?

5

50

100

250+ (We recommend taking the rest of the New York Times quiz!)