

## 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](mailto: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!)