Sustainability Literacy Assessment Fall 2019

Questions   **Responses**   209   Total points: 0

209 responses

Not accepting responses ⬤

Message for respondents

This form is no longer accepting responses

Summary   Question   Individual

📊 Insights

Average	**Median**	**Range**
0 / 0 points	0 / 0 points	0 - 0 points

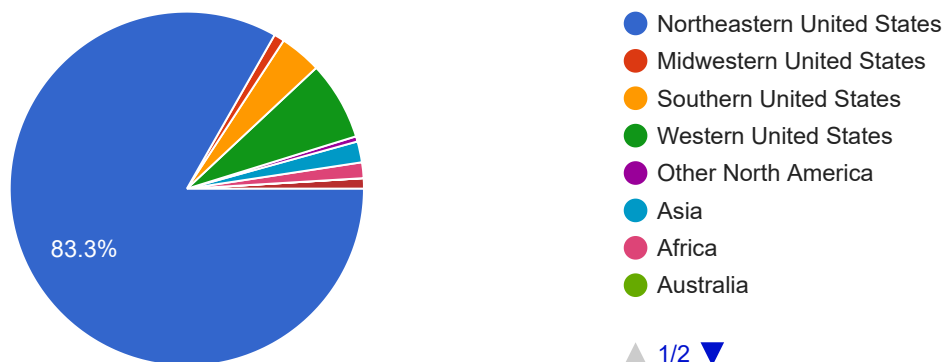**Total points distribution**

250

200

⚠ Frequently missed questions ❓

Question	Correct responses
Select all of the following that are aspects of sustainability.	8 / 209
The percentage of the earth's population living in extreme poverty has increased over the past decade.	44 / 209
Carbon monoxide is a major contributor to air pollution in the U.S. Which of the following is the biggest source of carbon monoxide?	102 / 209
What is the most common cause of pollution of streams and rivers?	99 / 209
Organize the following nations in the order of their total greenhouse gas emissions, from 1 (lowest total greenhouse gas emissions) to 5 (highest total greenhouse gas emissions) (Brazil)	85 / 209
Organize the following nations in the order of their total greenhouse gas emissions, from 1 (lowest total greenhouse gas emissions) to 5 (highest total greenhouse gas emissions) (Japan)	91 / 209
Which of the following can we do to prepare for climate change? Select all that apply.	77 / 209
Which of the following are predicted effects of climate change? Choose all that apply.	18 / 209
Which of the following individual initiatives could have the greatest positive impact on lowering greenhouse gas emissions?	58 / 209

Tell us about youself!

Where are you from (optional)

209 responses

- Northeastern United States
- Midwestern United States
- Southern United States
- Western United States
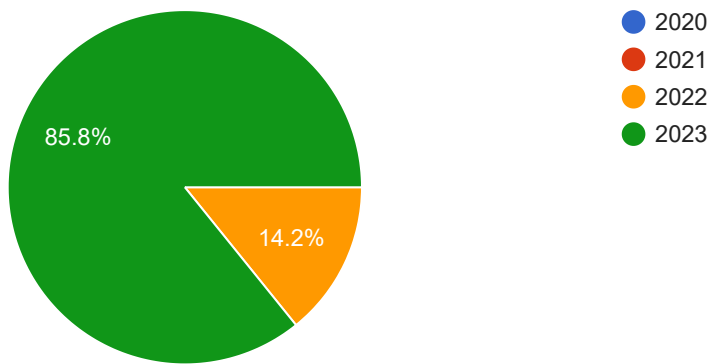- Other North America
- Asia
- Africa
- Australia

83.3%

▲ 1/2 ▼

What is your academic major or discipline?

209 responses

Computer Science

Biomedical Engineering

Aerospace Engineering

Mechanical Engineering

Civil Engineering

ECE

Chemical Engineering

CS

mechanical engineering

What is your class year?
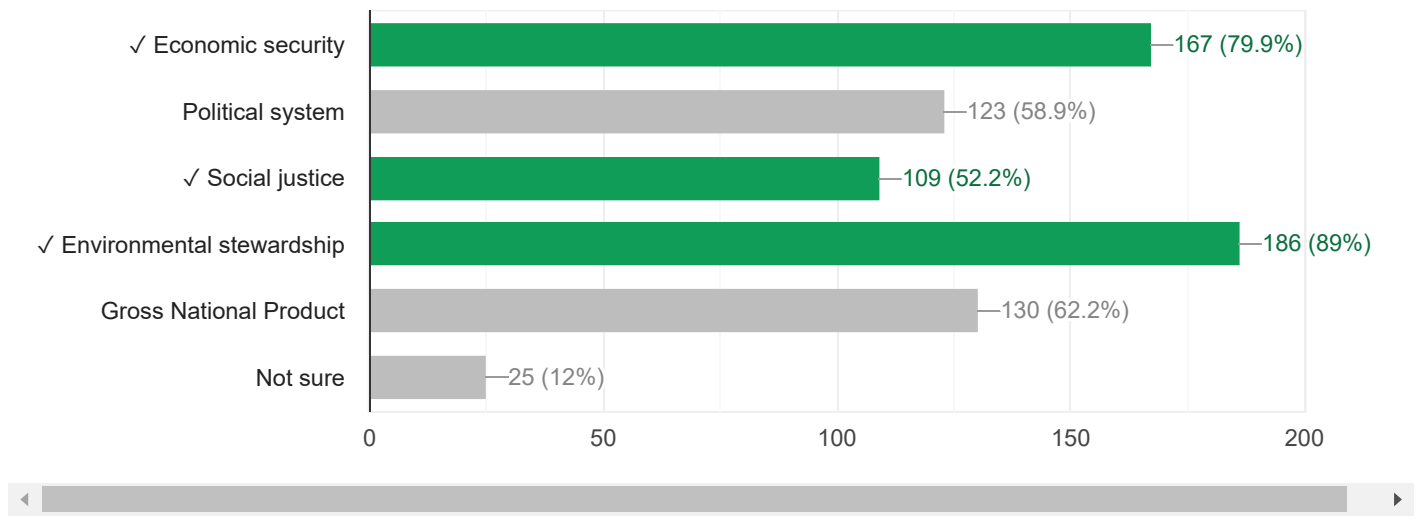
155 responses

- 2020
- 2021
- 2022
- 2023

85.8%

14.2%

Test your knowledge about sustainability!

Select all of the following that are aspects of sustainability.

8 / 209 correct responses

|	
✓ Economic security	167 (79.9%)
Political system	123 (58.9%)
✓ Social justice	109 (52.2%)
✓ Environmental stewardship	186 (89%)
Gross National Product	130 (62.2%)
Not sure	25 (12%)

Which of the following emits the most carbon dioxide per unit of energy?

152 / 209 correct responses

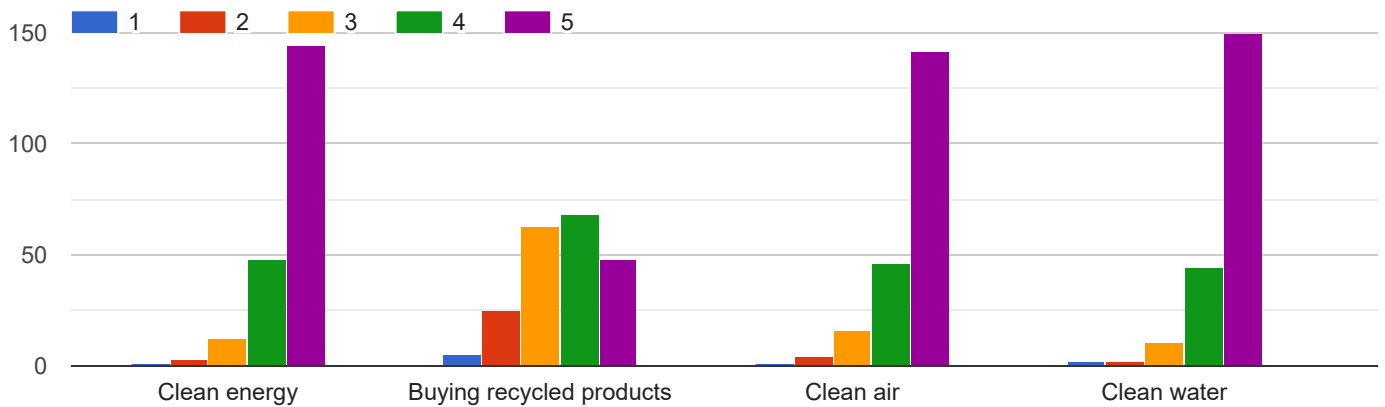|	
Fuel oil	34 (16.3%)
✓ Coal	152 (72.7%)
Natural gas	23 (11%)
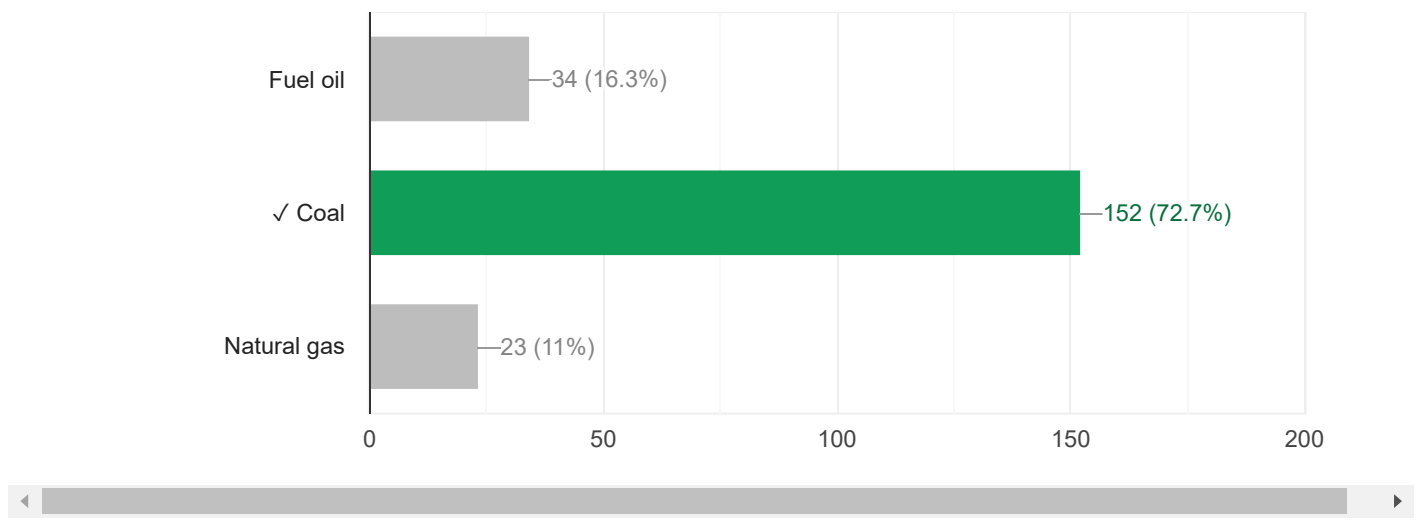
To what extent is climate change caused by humans?
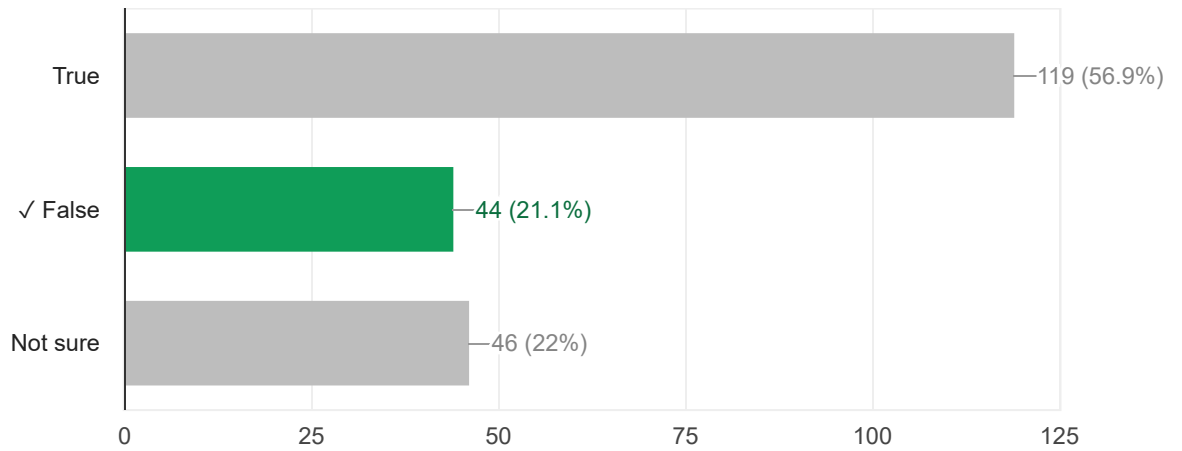
194 / 209 correct responses
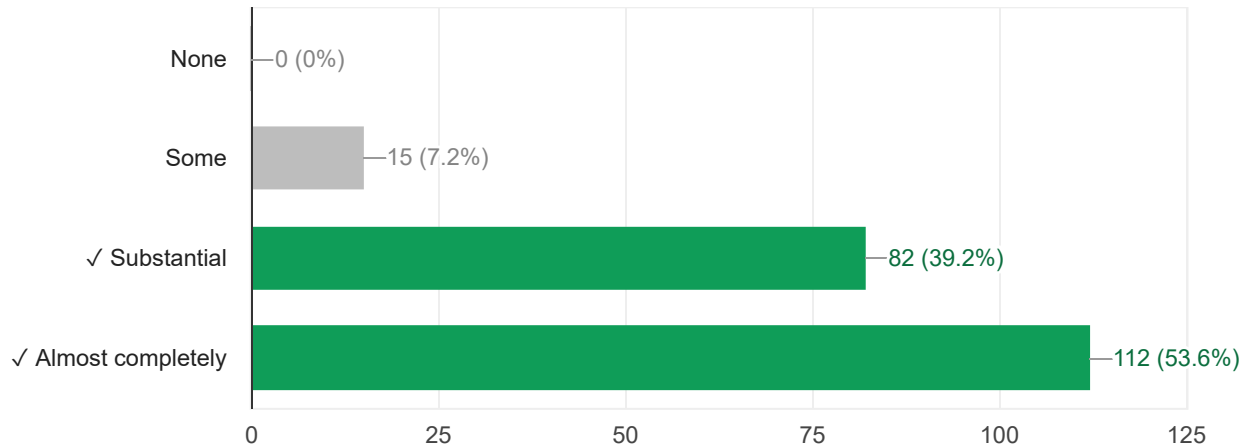
Please rank the importance with respect to sustainability of each of the following on a 5-point scale with 5 being the highest. (There is no single correct ranking for these. We want to know your priorities.)
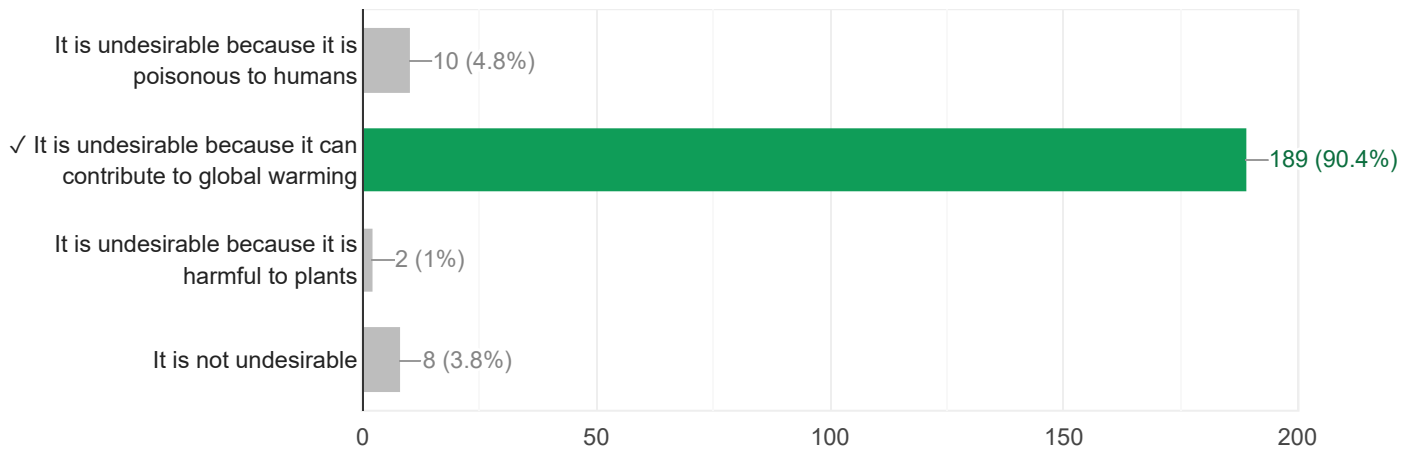
The percentage of the earth's population living in extreme poverty has increased over the past decade.
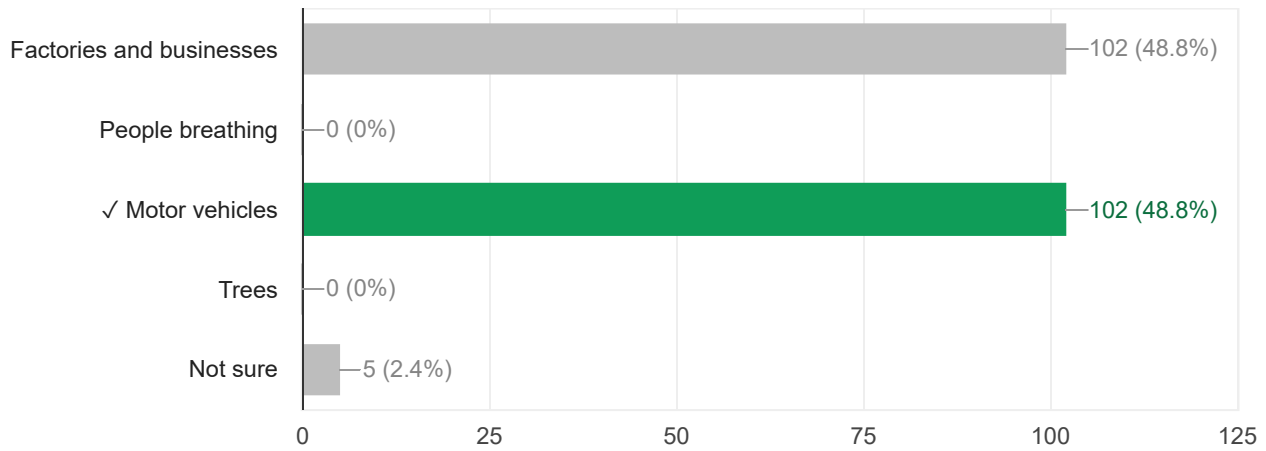
44 / 209 correct responses

True	119 (56.9%)
✓ False	44 (21.1%)
Not sure	46 (22%)

Regarding the release of carbon dioxide into the atmosphere:

189 / 209 correct responses

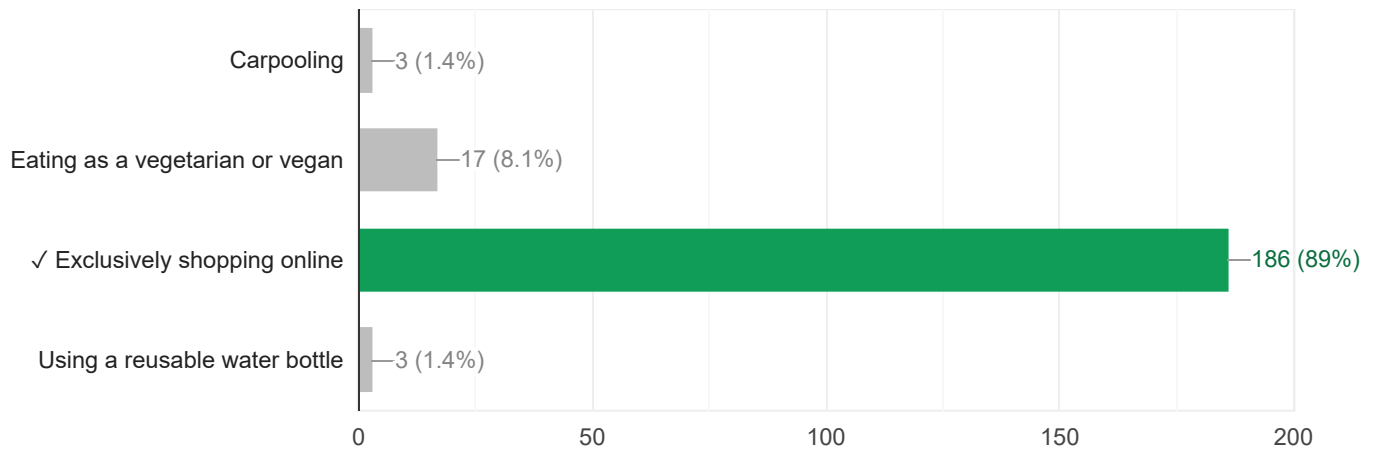|	
It is undesirable because it is poisonous to humans	10 (4.8%)
✓ It is undesirable because it can contribute to global warming	189 (90.4%)
It is undesirable because it is harmful to plants	2 (1%)
It is not undesirable	8 (3.8%)

Carbon monoxide is a major contributor to air pollution in the U.S. Which of the following is the biggest source of carbon monoxide?
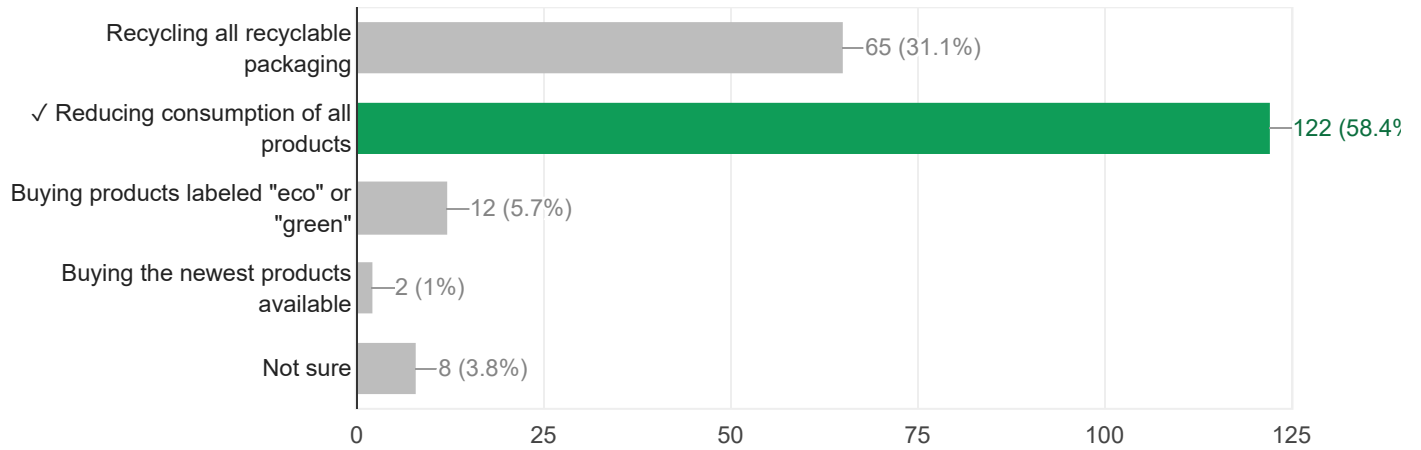
102 / 209 correct responses

Factories and businesses	102 (48.8%)
People breathing	0 (0%)
✓ Motor vehicles	102 (48.8%)
Trees	0 (0%)
Not sure	5 (2.4%)

0　　25　　50　　75　　100　　125

Which of the following is not a sustainable practice?

186 / 209 correct responses

Carpooling	3 (1.4%)
Eating as a vegetarian or vegan	17 (8.1%)
✓ Exclusively shopping online	186 (89%)
Using a reusable water bottle	3 (1.4%)

0　　50　　100　　150　　200

Of the following, which would be considered the most environmentally sustainable?

122 / 209 correct responses

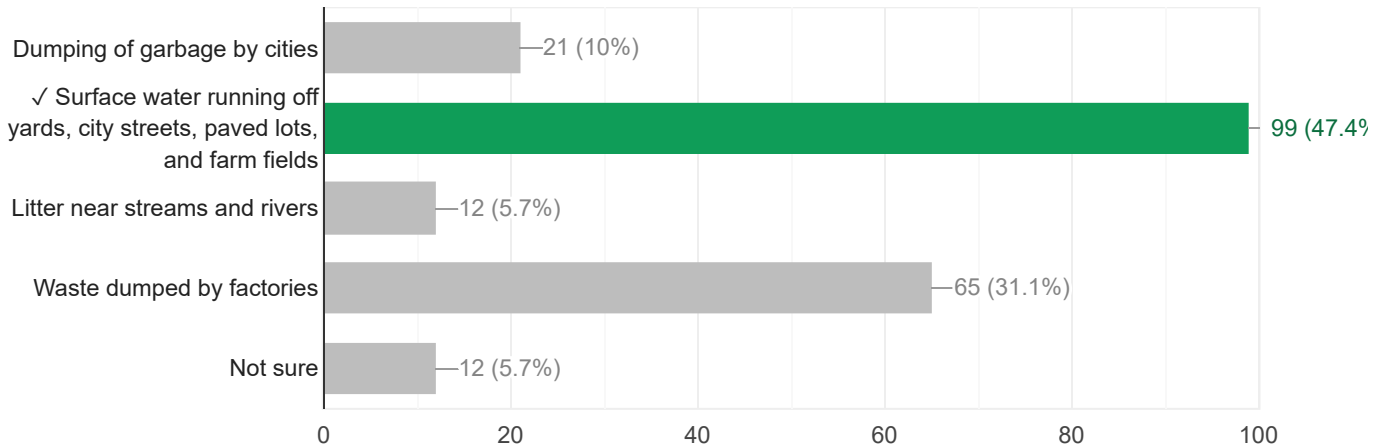|	
Recycling all recyclable packaging	65 (31.1%)
✓ Reducing consumption of all products	122 (58.4%)
Buying products labeled "eco" or "green"	12 (5.7%)
Buying the newest products available	2 (1%)
Not sure	8 (3.8%)

What is the most common definition of sustainable development?

171 / 209 correct responses

Building an economically and socially diverse neighborhood	9 (4.3%)
Providing everyone access to education and health care	4 (1.9%)
Preserving natural areas	15 (7.2%)
✓ Meeting the needs of the present without compromising the needs of future generations	171 (81.8%)
Not sure	10 (4.8%)
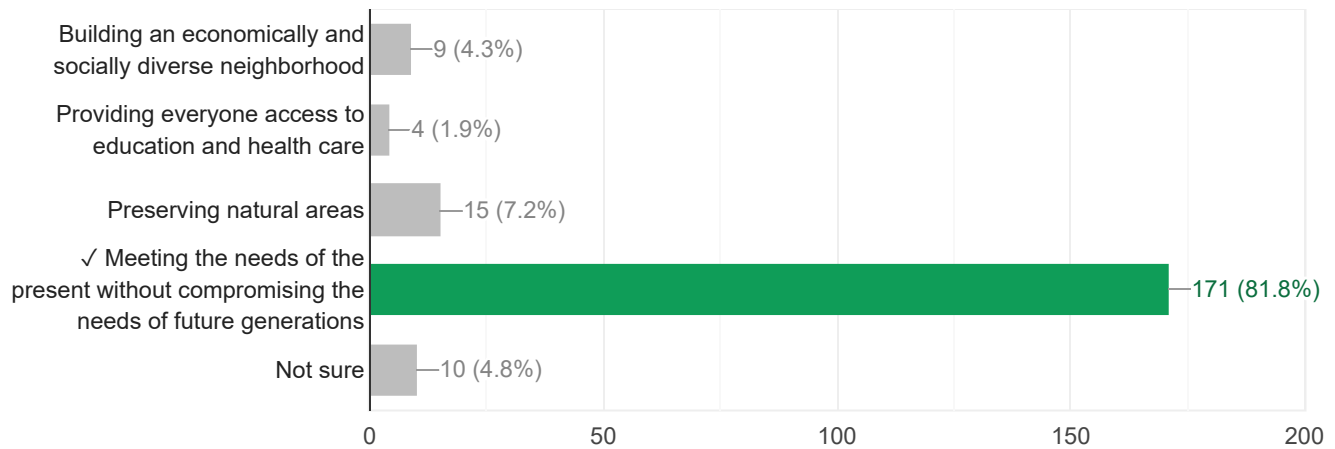
What is the most common cause of pollution of streams and rivers?

99 / 209 correct responses

Dumping of garbage by cities	21 (10%)
✓ Surface water running off yards, city streets, paved lots, and farm fields	99 (47.4%)
Litter near streams and rivers	12 (5.7%)
Waste dumped by factories	65 (31.1%)
Not sure	12 (5.7%)

How much do you feel you know about/understand climate change?

209 responses

| Rating	Count
1	1 (0.5%)
2	3 (1.4%)
3	11 (5.3%)
4	15 (7.2%)
5	23 (11%)
6	32 (15.3%)
7	72 (34.4%)
8	45 (21.5%)
9	4 (1.9%)
10	3 (1.4%)
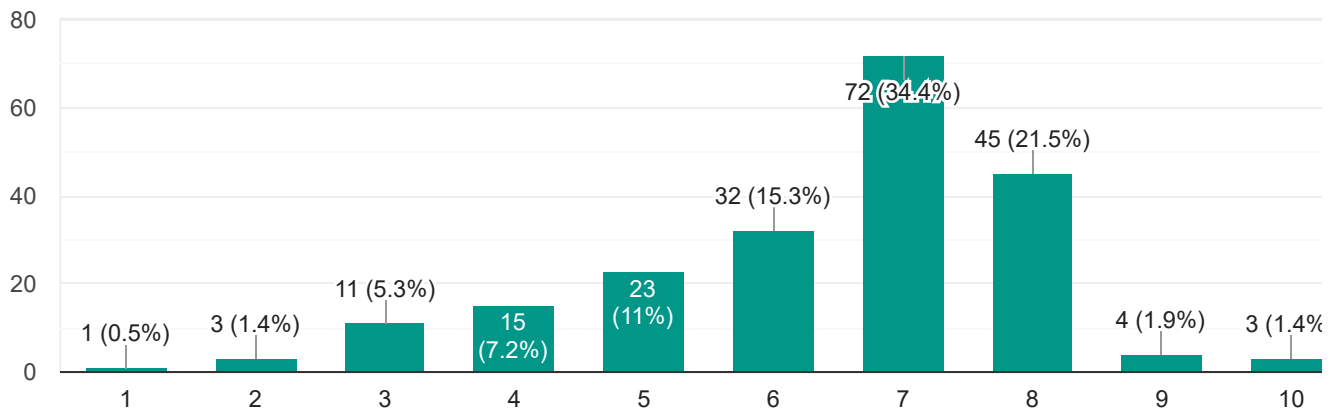
Which of the following activities would increase a person's carbon footprint? Choose all that apply.

139 / 209 correct responses
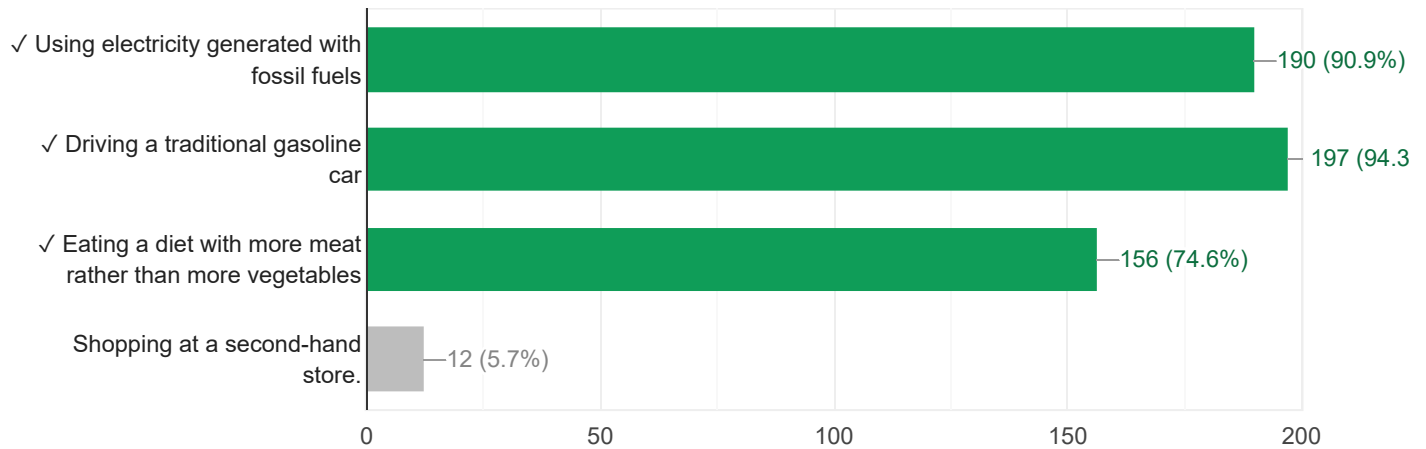
Organize the following nations in the order of their total greenhouse gas emissions, from 1 (lowest total greenhouse gas emissions) to 5 (highest total greenhouse gas emissions)
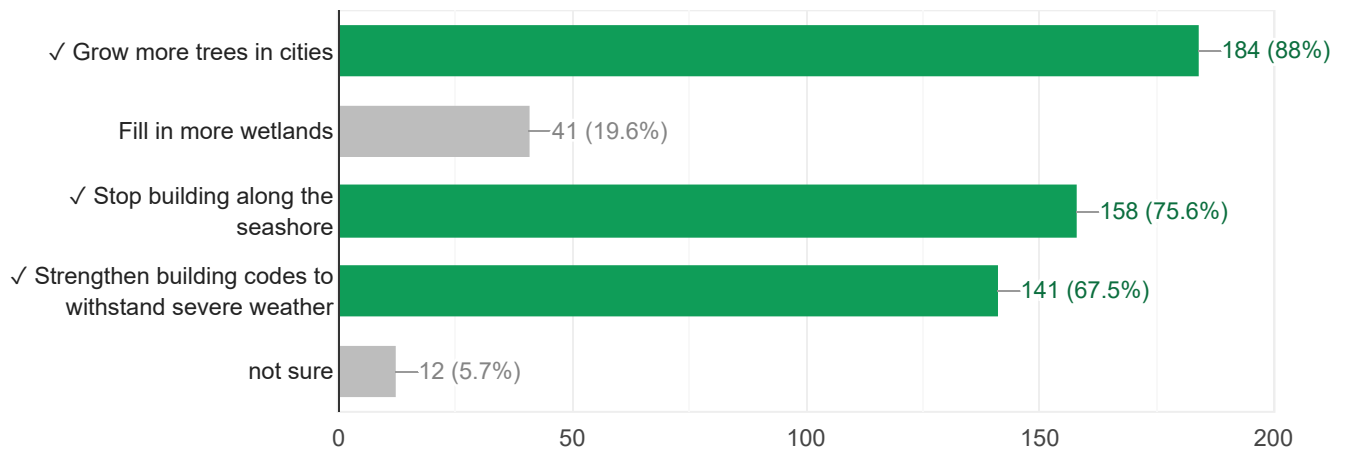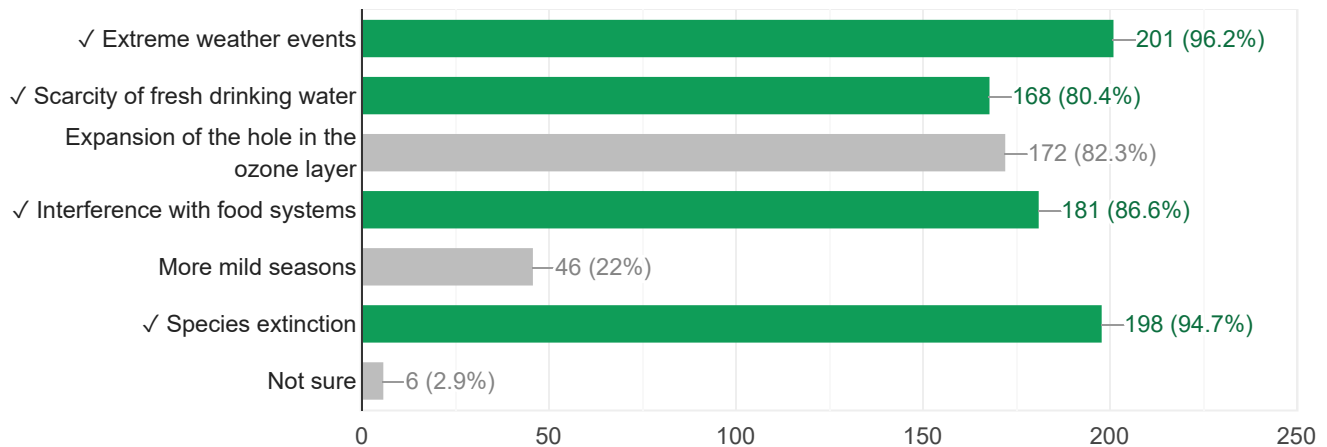
85 / 209 correct responses
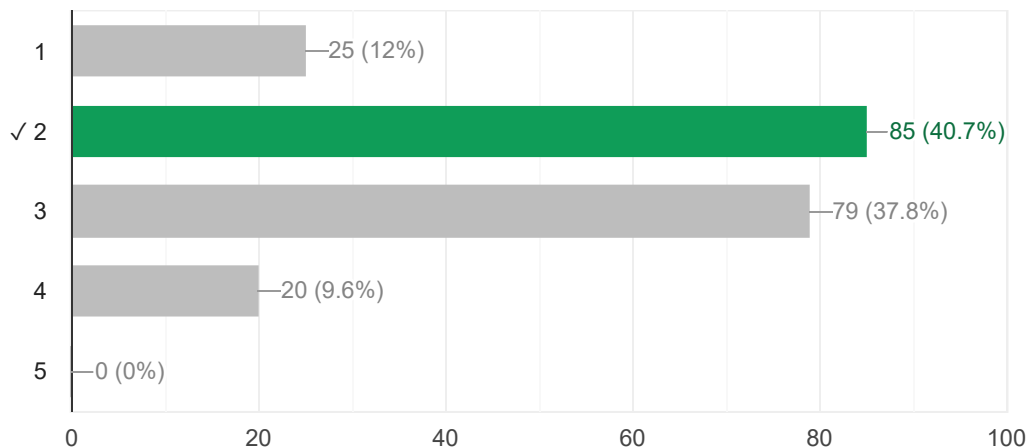
Row 1: Brazil

Which of the following can we do to prepare for climate change? Select all that apply.
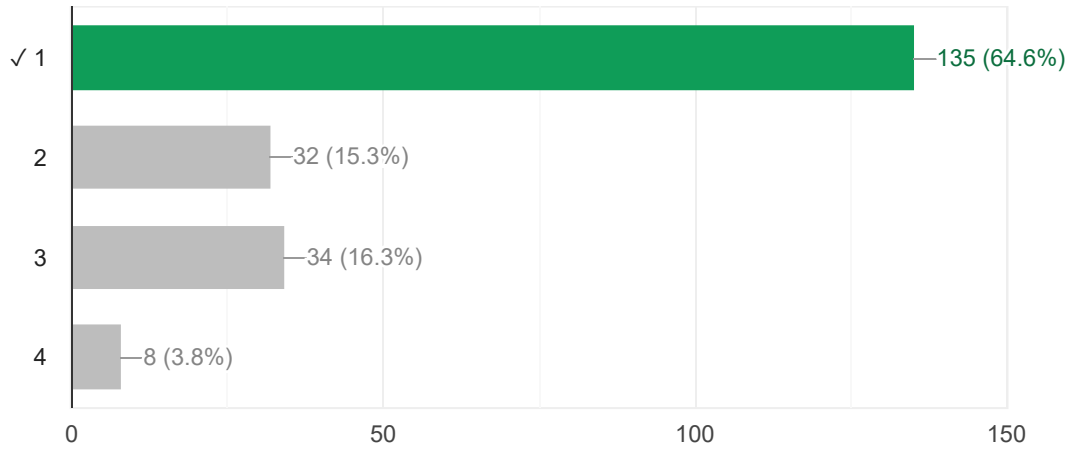
77 / 209 correct responses

✓ Grow more trees in cities	184 (88%)
Fill in more wetlands	41 (19.6%)
✓ Stop building along the seashore	158 (75.6%)
✓ Strengthen building codes to withstand severe weather	141 (67.5%)
not sure	12 (5.7%)

(x-axis: 0, 50, 100, 150, 200)

Which of the following are predicted effects of climate change? Choose all that apply.

18 / 209 correct responses

✓ Extreme weather events	201 (96.2%)
✓ Scarcity of fresh drinking water	168 (80.4%)
Expansion of the hole in the ozone layer	172 (82.3%)
✓ Interference with food systems	181 (86.6%)
More mild seasons	46 (22%)
✓ Species extinction	198 (94.7%)
Not sure	6 (2.9%)

(x-axis: 0, 50, 100, 150, 200, 250)

Put the following list in order of the activities with a smaller environmental impact to those with the largest environmental impact (4 being the largest)
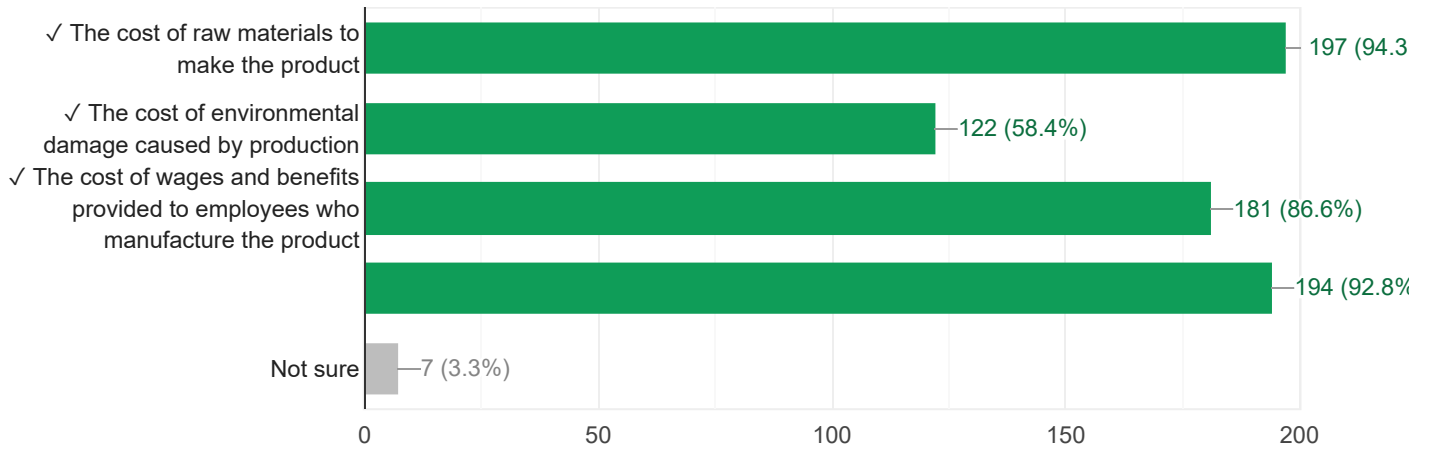
135 / 209 correct responses

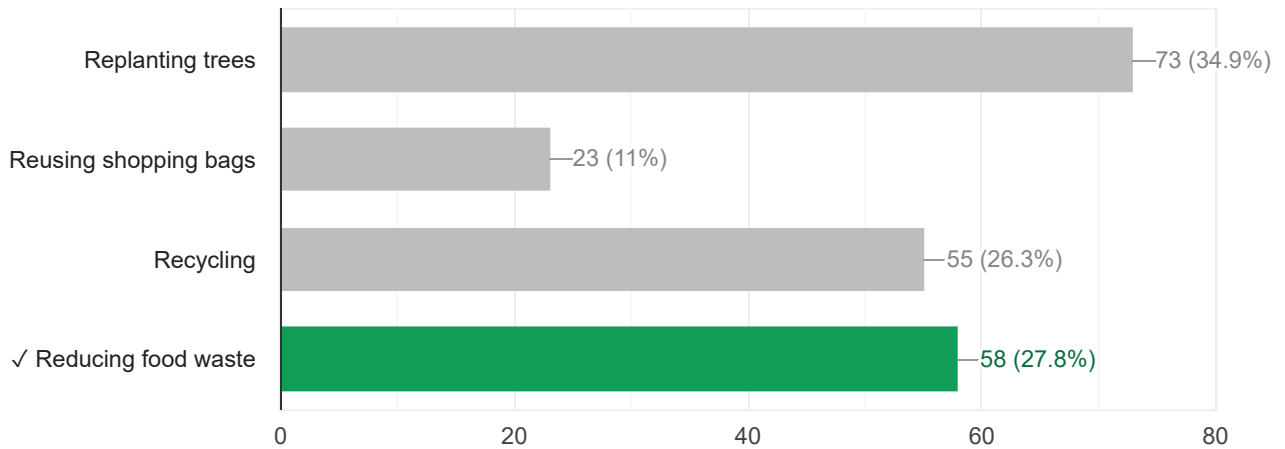Row 1: Keeping a cell phone charger plugged into an electric outlet for 12 hours

What are the costs associated with the purchase of a product? Select all that apply.
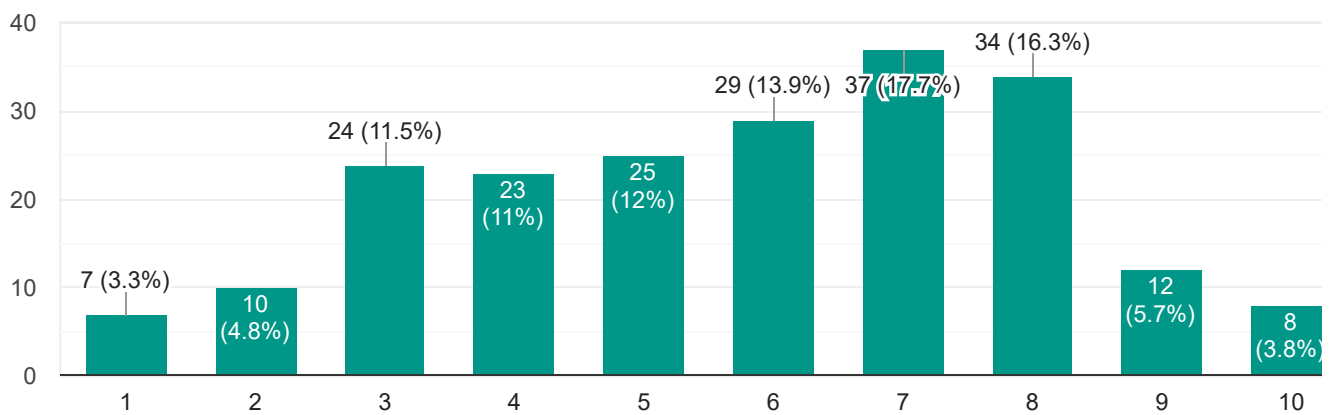
106 / 209 correct responses

Which of the following individual initiatives could have the greatest positive impact on lowering greenhouse gas emissions?

58 / 209 correct responses

How often do you consider the effects of your actions in relation to sustainability (ex. driving a car, buying a coffee in a styrofoam cup)?

209 responses

Complete the following question about where you would like WPI to be in terms of sustainability: When it comes to sustainability, WPI is: _____ (e.g. topnotch, best in the USA, better than most, better than [some other school])

190 responses

Better than most

better than most

topnotch

Better than most

Topnotch

Good

Better than RPI

best in the USA

the best

Did you know?