Sust. Literacy Assessment (Quiz Format) spring 2019

Questions: 333

333 responses

Message for respondents

This form is no longer accepting responses

Insights

Average: 0 / 0 points
Median: 0 / 0 points
Range: 0 - 0 points

Frequently missed questions
Question

Select all of the following that are aspects of sustainability. 31 / 333

The percentage of the earth's population living in extreme poverty has increased over the past decade. 96 / 333

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) 107 / 333

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) 105 / 333

Which of the following are predicted effects of climate change? Choose all that apply. 43 / 331

Which of the following individual initiatives could have the greatest positive impact on lowering greenhouse gas emissions? 133 / 333

Tell us about yourself!

Where are you from (optional)

331 responses

Northeastern United States 79.5%
Midwestern United States
Southern United States
Western United States
Other North America
Asia
Africa
Australia
If you are a student, what is your academic major or discipline?

245 responses

- Computer Science
- Chemical Engineering
- Mechanical Engineering
- Aerospace Engineering
- Robotics Engineering
- Biomedical Engineering
- BME
- ME
- ECE

Test your knowledge about sustainability!

Select all of the following that are aspects of sustainability.

31 / 333 correct responses

- Economic security
- Political system
- Social justice
- Environmental stewardship
- Gross National Product
- Not sure

- Economic security: 268 (80.5%)
- Political system: 205 (61.6%)
- Social justice: 211 (63.4%)
- Environmental stewardship: 309 (92.8%)
- Gross National Product: 170 (51.1%)
- Not sure: 30 (9%)
Which of the following emits the most carbon dioxide per unit of energy?

- Fuel oil: 54 (16.2%)
- Coal: 258 (77.5%)
- Natural gas: 21 (6.3%)

To what extent is climate change caused by humans?

- None: 4 (1.2%)
- Some: 21 (6.3%)
- Substantial: 120 (36%)
- Almost completely: 188 (56.5%)
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.

96 / 333 correct responses
Regarding the release of carbon dioxide into the atmosphere:

292 / 333 correct responses

- It is undesirable because it is poisonous to humans: 14 (4.2%)
- It is undesirable because it can contribute to global warming: 292 (87.7%)
- It is undesirable because it is harmful to plants: 2 (0.6%)
- It is not undesirable: 25 (7.5%)

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

173 / 333 correct responses

- Factories and businesses: 139 (41.7%)
- People breathing: 3 (0.9%)
- Motor vehicles: 173 (52%)
- Trees: 6 (1.8%)
- Not sure: 12 (3.6%)
Which of the following is not a sustainable practice?

294 / 333 correct responses

- Carpooling: 9 (2.7%)
- Eating as a vegetarian or vegan: 26 (7.8%)
- Exclusively shopping online: 294 (88.3%)
- Using a reusable water bottle: 4 (1.2%)

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

237 / 333 correct responses

- Recycling all recyclable packaging: 67 (20.1%)
- Reducing consumption of all products: 237 (71.2%)
- Buying products labeled "eco" or "green": 13 (3.9%)
- Buying the newest products available: 8 (2.4%)
- Not sure: 8 (2.4%)
What is the most common definition of sustainable development?

285 / 333 correct responses

- Building an economically and socially diverse neighborhood: 8 (2.4%)
- Providing everyone access to education and health care: 4 (1.2%)
- Preserving natural areas: 22 (6.6%)
- Meeting the needs of the present without compromising the needs of future generations: 285 (85.6%)
- Not sure: 14 (4.2%)

What is the most common cause of pollution of streams and rivers?

197 / 333 correct responses

- Dumping of garbage by cities: 22 (6.6%)
- Surface water running off yards, city streets, paved lots, and farm fields: 197 (59.2)
- Litter near streams and rivers: 17 (5.1%)
- Waste dumped by factories: 81 (24.3%)
- Not sure: 16 (4.8%)
How much do you feel you know about/understand climate change?

331 responses

Which of the following activities would increase a person’s carbon footprint? Choose all that apply.

244 / 333 correct responses

- ✔ Using electricity generated with fossil fuels
- ✔ Driving a traditional gasoline car
- ✔ Eating a diet with more meat rather than more vegetables
- Shopping at a second-hand store
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).

190 / 333 correct responses

Which of the following can we do to prepare for climate change? Select all that apply.

172 / 333 correct responses
Which of the following are predicted effects of climate change? Choose all that apply.

43 / 331 correct responses

- Extreme weather events: 321 (97%)
- Scarcity of fresh drinking water: 280 (84.6%)
- Expansion of the hole in the ozone layer: 254 (76.7%)
- Interference with food systems: 300 (90.6%)
- More mild seasons: 87 (26.3%)
- Species extinction: 317 (95.8%)
- Not sure: 5 (1.5%)

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)

257 / 333 correct responses

- 1: 11 (3.3%)
- 2: 41 (12.3%)
- 3: 24 (7.2%)
- 4: 257 (77.2%)

Row 4: Flying a commercial airplane from Boston to Honolulu, Hawaii.
What are the costs associated with the purchase of a product? Select all that apply.

- The cost of raw materials to make the product: 322 (96.7%)
- The cost of environmental damage caused by production: 217 (65.2%)
- The cost of wages and benefits provided to employees who manufacture the product: 313 (94%)
- Not sure: 8 (2.4%)

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

- Replanting trees: 94 (28.2%)
- Reusing shopping bags: 25 (7.5%)
- Recycling: 81 (24.3%)
- Reducing food waste: 133 (39.9%)
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)?

332 responses

Did you know?