

## Sustainability Culture & Literacy Assessment

Survey administered to students, staff, and faculty as a Microsoft Form:

<https://forms.office.com/Pages/ResponsePage.aspx?id=C92AT4wzTE6KFJBEaWL3uLGftcpaMQBNsb5QQPjom65UMVBESVFENExQRDZPNzc3R0RSVIVWNVIURi4u>

The Office of Sustainability is seeking feedback from the university community to evaluate general sustainability knowledge and sustainability culture at the University of Manitoba. Responses will allow for the evaluation of success and areas of improvement for sustainability outreach and education initiatives. This information will also be used in the University's next Sustainability Tracking, Assessment & Rating System (STARS) submission as the university strives for platinum certification.

The survey will take approximately 15 minutes. All responses will be held in confidence and used and accessed by only those working on the survey. Survey participants will also not be identifiable in the dissemination of survey results.

If you have any questions regarding the project or the survey, please contact the Office of Sustainability: (204) 474-6121 | [sustainability@umanitoba.ca](mailto:sustainability@umanitoba.ca)

Thank you for your participation!

Notice Regarding Collection, Use, and Disclosure of Personal Information by the University:

Your personal information is being collected under the authority of the University of Manitoba Act. The information you provide will be used by the University for the purpose of examining UM culture and literacy as it relates to sustainability. Your personal information will not be used or disclosed for other purposes, unless permitted by The Freedom of Information and Protection of Privacy Act (FIPPA). If you have any questions about the collection of your personal information, contact the Access & Privacy Office (tel. 204-474-9462), 233 Elizabeth Dafoe Library, University of Manitoba, Winnipeg, MB, R3T 2N2.

### Sustainability Literacy

This section is focusing on sustainability literacy at the UM. Such an assessment helps the UM evaluate the success of the institutions sustainability education initiatives and develop insight into how these initiatives could be improved. This section is not for marks but there is a right answer.

Please answer these questions honestly and to the best of your ability.

1. What is the United Nations definition of sustainable development?

- a) Meeting the needs of the present without compromising the ability of future generations to meet their own needs
- b) Setting aside resources for preservation, never to be used
- c) Balancing the economy, society, and environment to create harmony for all
- d) Conserving the diversity of earth
- e) Do not know/unsure of answer

2. What are the three pillars of sustainability?

- a) Land, Water, Air
- b) Economy, Environment, Ecology
- c) Social, Economic, Environment
- d) Social, Systems, Sustainability
- e) Do not know/unsure of answer

3. What are the potential effects of global climate change?

- a) Loss of habitats
- b) Increase in sea level
- c) More severe weather events
- d) All of the above
- e) Do not know/unsure of answer

4. Certain substances in the atmosphere, such as water vapor, carbon dioxide, methane, and nitrous oxide, influence the Earth's temperature and climate. These substances are commonly referred to as:

- a) Ozone
- b) Radiation
- c) Greenhouse Gases
- d) Ultraviolet Light
- e) Do not know/unsure of answer

5. What percentage of Earth's water is available and accessible as drinking water?

- a) 80%
- b) 50%
- c) 10%
- d) 1%
- e) Do not know/unsure of answer

6. What is an invasive species?

- a) A predator species that largely hunts prey in an area far from its den
- b) A non-native species whose introduction to an ecosystem is likely to cause environmental harm
- c) A native species that outcompetes other species for resources
- d) A species found in many countries
- e) Do not know/unsure of answer

7. Which protein produces the fewest greenhouse gas emissions?

- a) Beef
- b) Tofu
- c) Prawns
- d) Eggs
- e) Do not know/unsure of answer

8. What is a "food desert"?

- a) An arid region of land unsuitable for farming
- b) Food that is deemed unacceptable for human consumption
- c) Urban or rural areas without ready access to fresh, healthy, and affordable food
- d) A sweet served after a savoury meal
- e) Do not know/unsure of answer

9. What is not considered to be a sustainable mode of transportation:

- a) Cycling
- b) Walking
- c) Driving an automobile
- d) Taking the bus
- e) Do not know/unsure of answer

10. A model of production and consumption, which involves sharing, leasing, reusing, repairing, refurbishing, and recycling existing materials and products is called a:

- a) Green Economy
- b) Circular Economy
- c) Good Economy
- d) Flow Economy
- e) Do not know/unsure of answer

### Culture of Sustainability

This section is focusing on the sustainability culture of the UM community. Such assessments will help the UM evaluate the success of our sustainability outreach and education initiatives and develop insight into how these initiatives could be improved.

Please answer these questions honestly and thoughtfully.

11. I have a personal responsibility to help make a difference on environmental issues like minimizing waste, resource consumption, water use and energy use.

- Yes
- No
- Not sure

12. I have a personal responsibility to help make a difference on social issues like ensuring equity and inclusion, spreading environmental education, and supporting activities that promote human health and wellness.

- Yes
- No
- Not sure

13. I feel that my culture and heritage is adequately represented and respected at the University of Manitoba.

- Not at all
- Only a little
- A moderate amount
- A great deal
- Not sure

14. How important is the issue of climate change to you personally?

- Not at all important
- Somewhat important
- Extremely important
- I haven't really thought about it

15. How much do you think climate change will affect you personally?

- Not at all
- Only a little
- A moderate amount
- A great deal
- I haven't really thought about it

16. Rank the following sustainability issues on campus from most important to least: (1 being most important, 10 being least)

- Grounds, Open Space & Conservation Areas (litter, trees, landscaping, trail systems)

- Waste Reduction & Recycling (waste minimization, separating recyclables from trash, purchasing recycled and recyclable products)
- Water Resources (water consumption, water pollution)
- Energy & Buildings (green buildings, LEED, energy efficiency projects)
- Climate Change (renewable energy, reducing carbon footprint, achieving carbon neutrality)
- Environmental Justice (preventing disproportionately negative environmental impacts based on race, gender, social or economic status)
- Food & Food Waste (sustainable dining options – local, organic, community-based, and third-party verified, reducing food waste)
- Sustainable Purchasing (procuring goods and services that are more beneficial to the environment)
- Education & Outreach (sustainability literacy, courses, programs, research)
- Other (specify)

17. If 'Other', please specify:

18. Please indicate your level of awareness of the following UM Sustainability goals, policies, initiatives, and committees:

|   | Never heard of it | Heard of it | Heard of and interested in participating/using | Have participated or used |
|---|-------------------|-------------|--|---------------------------|
| Climate Action Plan                       |                   |             |  |                           |
| Sustainability Strategy 2019-23           |                   |             |  |                           |
| Sustainable Transportation Plan 2017-2022 |                   |             |  |                           |
| Indigenous Planning and Design Principles |                   |             |  |                           |
| UM Sustainability Policy                  |                   |             |  |                           |
| Sustainability Committee                  |                   |             |  |                           |
| Office of Sustainability                  |                   |             |  |                           |

19. Which of the following items can be recycled at UM? Select all that apply.

- Magazines
- Plastic bottles
- Electronics
- Plastic bags and wrap
- Newspaper
- Aluminum cans
- Glass bottles

- Paper coffee cups
- Plastic cups
- Plastic Yogurt containers
- Cardboard boxes
- Bubble envelopes
- Plastic straws
- Napkins
- Batteries
- Juice boxes
- Pens and highlighters
- Personal protective equipment (PPE)

20. For each of the following questions, please select the frequency with which you complete these actions on campus:

Always                  Often                  Sometimes                  Rarely                  Never

- Composting food scraps and other materials when possible.
- Bringing a reusable water bottle and/or mug with me.
- Turning off lights in rooms when I am the last person to leave (meeting room, washroom, lab, classroom, kitchen).
- Unplugging chargers and other small electronic devices when not in use.
- Turning off my monitor and/or computer when I will be away from it for an extended period (classes, meetings).
- Sending digital documents whenever I can in place of printing.
- Turning off or unplugging large equipment (printers, scanners, photocopiers, lab equipment, television, etc.) at the end of the day.

21. From your experience, rank the following outreach methods by effectiveness? (1 being most effective)

- Instagram
- Twitter
- Facebook
- Student or Staff Weekly email
- Office of Sustainability newsletter
- UM Today stories
- In-person events (Sustainability day, tabling in University Centre)
- Umanitoba website homepage

## Demographics

This sections allows the UM to better understand certain background characteristics of the audience.

22. Please choose your PRIMARY campus

- a) Fort Garry
- b) Bannatyne
- c) William Norrie
- d) Glenlea Research Station
- e) Other
- f) External to the UM community

23. Please choose your PRIMARY affiliation

- a) Undergraduate student

- b) Graduate student
- c) Faculty
- d) Staff

24. Please choose the faculty or college you work or study closest with

- a) Faculty of Agricultural and Food Sciences
- b) School of Agriculture
- c) Faculty of Architecture
- d) School of Art
- e) Faculty of Arts
- f) I. H. Asper School of Business
- g) Faculty of Education
- h) Price Faculty of Engineering
- i) Clayton H. Riddell Faculty of Environment, Earth, and Resources
- j) Extended Education
- k) Faculty of Graduate Studies
- l) Rady Faculty of Health Sciences
- m) School of Dental Hygiene
- n) Dr. Gerald Niznick College of Dentistry
- o) Max Rady College of Medicine
- p) College of Nursing
- q) College of Pharmacy
- r) College of Rehabilitation Sciences
- s) Faculty of Kinesiology and Recreation Management
- t) Faculty of Law
- u) Desautels Faculty of Music
- v) Faculty of Science
- w) Faculty of Social Work
- x) University 1
- y) St. Andrew's College
- z) St. John's College
- aa) St. Paul's College