



# Challenge

**IN FAMILY  
WITH FRIENDS**

## TAKE UP 3 CHALLENGES ON EVERY STATION



Find out where each picture has been taken.



Answer to the question. The answers are at the back.



Reflect and discuss together to go further.

## Indoor part



### 1 - GREEN ROOFING



A green roof is a roof where plants are able to grow.  
What are the benefits to build a green roof on a building?

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How do you give a special place to plants at home?

### 2 - WATER MANAGEMENT

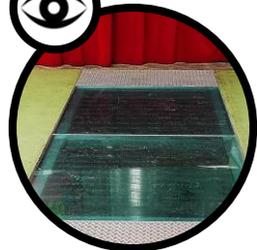


A conventional toilet uses 13 liters of water per flush (13lpf).  
How many liters of water TOHU's toilets are saving for each use?

\_\_\_ liters



What are your everyday actions to save water?



### 3 - ICE BANK



Under the floor, below the glass, we can see a big container filled up with ice and metal tube. This ice is used for air conditioning during the summer. Why does the ice bank is more efficient regarding energy consumption ?

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What are you doing at home to decrease the temperature without using electric air conditioning?

#### 4 - STAIRCASE



This staircase is adorned with reused panels. From where do these panels come from?

- From the frontage of a theatre
- From a movie theatre
- From a theme park ride
- From a circus scenery



Name an object you have to which you gave a second life.



#### 5 - LAMP



This lamp is part of the Jacob-William collection which owns several artefacts about circus history. TOHU is presenting some of these objects. Why does this lamp have a link with circus history?

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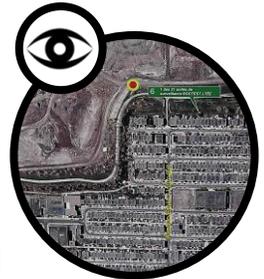
Think of an object you own that is valuable to your eyes because it's old.

**Enjoy our permanent exhibit about circus history inside the performance hall. Please go to the ticket office to have more information about the location and the accessibility of this exhibit.**

#### 6 - "CITÉ DES ARTS DU CIRQUE »



TOHU is part of a larger project named "Cité des Arts du Cirque" this project regroups other circus organisations in the area. With the help of the French aerial picture, name 2 other organisation in "Cité de Arts du Cirque".



Did you ever see a circus show? What is the difference between circus and other arts like theatre or dance?

## Outdoor part

**Continue your visit outside.  
The next stations are around TOHU's building.**





### 7 - PERFORMANCE HALL



The concrete used to build the performance hall is made from 25 % of recycled cement. Some panels have a pattern that represents an animal. What animal?

\_\_\_\_\_



Circuses using animals are less and less popular in our days. Today, laws and habits are protecting a lot more the animals' health, comfort and security. In what other contexts do you think it is more respectful to watch exotic animals?

### 8 - CANADIAN WELLS



The curved tubes bring fresh air inside TOHU's building. Before reaching the building, air goes through an underground tunnel.

What is the purpose of this tunnel?

- Tempering air
- Filtering air
- Deodorizing air
- Humidifying air



What could you do to increase air quality in your house?



### 9 - POND



This artificial pond receives the rain water falling on TOHU's roofs.

What happens with this water?

- Water is absorbed by the plants.
- Water evaporates.
- Water is absorbed through soil.
- All these answers.



The pond contains a lot of plants coming from Quebec. Among your plants at home, how many are originally coming from Quebec?

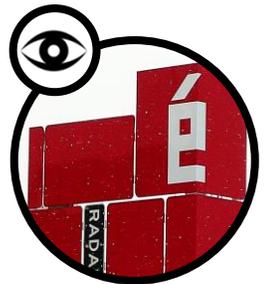
### 10 - ECOCENTER



TOHU is facing an ecocenter. Name objects that we can bring to an ecocenter to get rid of them.

\_\_\_\_\_

\_\_\_\_\_



Find an object you usually put in the garbage that you could trash in another place.



### 11 - GAZMONT



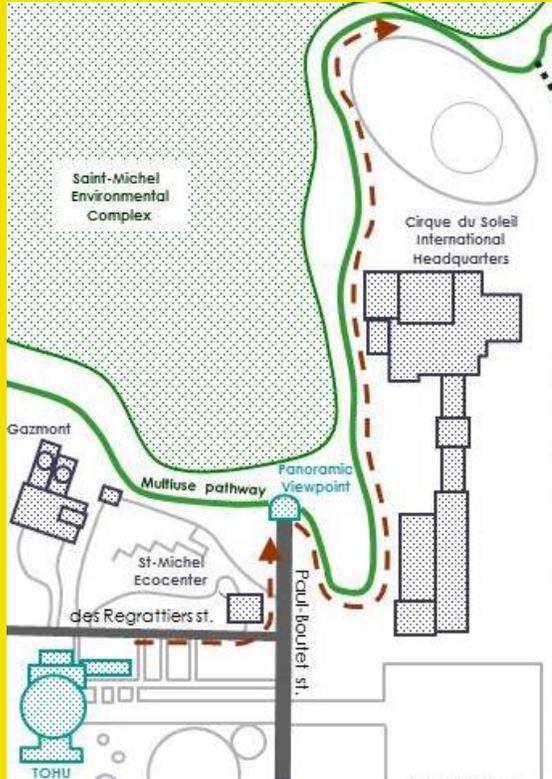
This facility uses methane gas collected inside the Saint-Michel Environmental Complex. Then, Gazmont transforms methane into what?

\_\_\_\_\_



Methane is a powerful greenhouse gas. What can you do in your everyday life to reduce your greenhouse gas production?

The next stations are along the multiuse pathway and can be made within ten minutes of walking.



### 12 - ABOUT THIS BUILDING

Find out this building. What renowned institution occupies this building?



To your opinion, how the neighbourhood's development with the St-Michel Environmental Complex and "Cité des Arts du Cirque" changed the aspect and the way of living in the area?

### 13 - CLIFFS

These limestone cliffs come from the old Miron quarry. What was made with this rock?



Name one object you possess that doesn't contain any part coming from mining activities.



### 14 - MOUNDS

In the middle of the old quarry, you can see regular and smooth mounds. What is hidden below these little mountains?



This land will become a park in 2020. How do you imagine this park according to your observations?

### 15 - TUBES



What is the purpose of these plastic tubes going in the ground?

- Collecting biogas
- Aerating soil
- Pumping out rainwater
- Surveying the ground movements



Find a way to protect these tubes against vandalism when the park will be opened in 2020.



**KEEP THINKING** [musemcgill.wordpress.com/research/urban-agriculture](http://musemcgill.wordpress.com/research/urban-agriculture) **Gardening** [espacepoulavie.ca/en/green-pages](http://espacepoulavie.ca/en/green-pages)  
**Water saving** [espacepoulavie.ca/en/reducing-waste-and-water-pollution](http://espacepoulavie.ca/en/reducing-waste-and-water-pollution) **Native plants** [plantnative.org](http://plantnative.org) **3RV** [socenv.ca/?page\\_id=13](http://socenv.ca/?page_id=13)  
**Citizenship** [www.equiterre.org/en/solutions-individuals](http://www.equiterre.org/en/solutions-individuals) **Greenhouse gas** [davidssuzuki.org/issues/climate-change](http://davidssuzuki.org/issues/climate-change) **Mining** [www.miningwatch.ca](http://www.miningwatch.ca)  
**TOHU** [tohu.ca](http://tohu.ca) **MONTRÉAL COMPLÈTEMENT CIRQUE festival** [montrealcompletementcirque.com](http://montrealcompletementcirque.com)

**ANSWERS:** 1- A better insulation/Less urban heat islands/Absorbs rain water/The roof lasts 2- 7 litres less. 3- The ice bank spreads electrical demand over many hours. 4- From a theme park ride. 5- This lamp is an echo to a sister venue designed 120 years ago in France. 6- National Circus School/Cirque du Soleil. 7- The elephant. 8- Tempering air. 9- All these answers. 10- batteries/tires/paint/electronics/metal/wood/clothes/furniture... 11- Gazmont transforms biogas into electricity. 12- The National Circus School. 13- Cement and concrete. 14- Garbage bags. Since 1968, a part of the quarry becomes a landfill. 15- Collecting biogas