GRADE 9

GEOGRAPHY
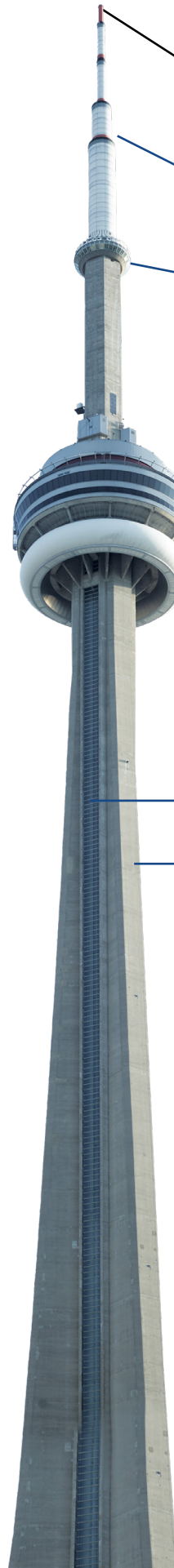
Name:

Date:

Full height
553.33m | 1,815ft 5in | 181 storeys

Antenna

The Top
447m | 1,465ft | 147 storeys

EdgeWalk
356m | 1,168ft | 116 storeys

360 Restaurant
351m | 1,151ft | 115 storeys

Main Observation
346m | 1,136ft | 114 storeys

Lower Observation
342m | 1,122ft | 113 storeys

Radome

Elevator Shaft

Tapered Legs

Welcome to the CN Tower!

Your task is to observe the City of Toronto from the unique perspective offered from 114 storeys above the ground. This activity will ask you to consider the city as it is, how it might be in the future, and how the CN Tower fits into that story.

What makes the city unique? What factors shaped its growth? Find out as you explore the city from new heights!

Ground - Mezzanine

1. Why was the CN Tower built?

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2. What other purposes does the Tower serve?

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Main Observation Level

1. What modes of transportation can you see from the observation areas? What types of vehicles are used on these systems? What is being transported in each type of vehicle? (For example, automobile – people; tractor trailers – food, livestock, packaged goods, furniture, appliances, heavy equipment, etc.) Use the chart to compile this information and come up with as many items as possible.

Mode of Transportation	Vehicle	Cargo
Road		
Air		
Water		
Rail		

2. Describe the weather you see outside using criteria such as wind speed, visibility, temperature, and precipitation.

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3. The original settlement of Toronto (first named "York") began as early as 1793. Looking south and westward along the lakefront, what factors do you think led people to build a city here?

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4. What patterns do you notice in the way that the city has developed? How has the lake influenced the way that transportation routes have developed? Note the way that roads have been oriented and the concentration of buildings in different areas.

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5. Based on your observations of downtown Toronto, what types of urban development use the most space? Fill in the pie chart assigning a percentage to each of the land use categories and marking a wedge to indicate its relative size. Types of urban land use include:
- *Residential: condominium apartment buildings, single family homes, townhomes.*
- *Commercial: office buildings, retail stores, convention centres*
- *Industrial: manufacturing and storage facilities, smokestacks, conveyors.*
- *Institutional and public buildings: government buildings, hospitals*
- *Recreational and Open Space: indoor, and outdoor arenas and stadiums, parks, fields.*
- *Transportation: railway lands, highways, streets, multi-lane roads; gas, hydro and communications lines.*

Urban Land Use

- *Residential _____*
- *Commercial _____*
- *Industrial _____*
- *Institutional _____*
- *Recreational and Open Space: ____*
- *Transportation: _____*

6. Which category does the CN Tower fit into, in terms of its land use?

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7. Mapping Toronto: Using your "bird's-eye view" locate these notable Toronto landmarks on the map provided.

1. The Roundhouse/Steamwhistle Brewery
2. Harbourfront
3. Toronto Harbour
4. Toronto Islands
5. Toronto Islands Airport
6. Rogers Centre
7. Gardiner Expressway
8. Canadian National Exhibition Grounds
9. TREC Windshare Turbine
10. Ontario Place
11. Railway Tracks
12. CBC Building
13. TIFF Lightbox
14. Ontario College of Art and Design
15. Art Gallery of Ontario
16. Roy Thomson Hall
17. Royal Alexandra Theatre
18. Metro Hall
19. Union Station
20. Royal Ontario Museum

8. What renewable energy sources do you see in operation from the Main Observation Level?

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9. Beyond roof surfaces to keep out the elements, what do you see on the tops of buildings? What do you think property owners should be doing with this space? Design your own unique use for one of these spaces using the space below.

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Lower Observation Level

1. Weather permitting, the Outdoor Terrace offers an opportunity to experience the climate conditions and sounds here in the sky.
What sounds do you hear?

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2. Consulting the information graphics, how much does the temperature differ in comparison to ground level?

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3. Glass Floor Experience: Why do you think that the CN Tower had these floors installed? How did you react to walking (jumping?) on the floor?

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