



Grade 10 Literacy Assessment

SAMPLE B



Ministry of
Education and
Child Care



The *Big Idea* will help you guide your thinking during the assessment.



Big Idea

It is important to explore new possibilities.

PART A

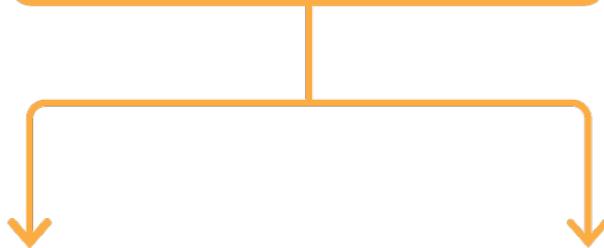
Taking risks can be an important part of personal growth.



PART B

The way people perceive the present affects their decisions about the future.

Writing Pathway



1

Decisions you make now can impact others in the future.

2

The future contains endless possibilities.



Big Idea

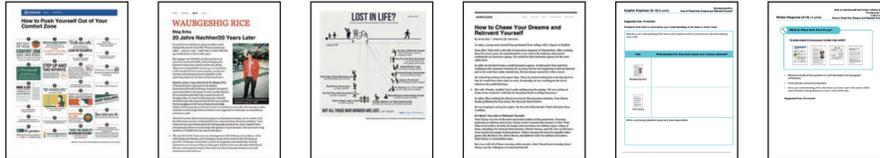
It is important to explore new possibilities.



PART A

Suggested Time: 65 minutes

Taking risks can be an important part of personal growth.



In this section you will:

- read and analyze a variety of texts
- answer selected response questions worth fifteen points
- complete a graphic organizer worth six points
- complete a written response worth twelve points



In the following text

An infographic has advice for taking risks.

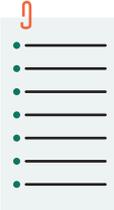
How to Push Yourself Out of Your Comfort Zone

1
GET OUT OF YOUR COMFORT ZONE AND TAKE RISKS.
You'll never know what's out there for you until you go and find it for yourself.



2
"Push yourself"
 says Jaymie Pizzaro, runner
NEVER GIVE UP EVEN WHEN THE GOING GETS ROUGH.

3
MAKE A LIST
 - even just a mental one -
 of what you *really* want to achieve.
Go through this list every morning and let it motivate you.



4
 Practice work-life balance.
 Everyone needs to rest.

5
 Set your priorities. Identify what needs to be done now and what can wait.

6
B + Be positive.
 Doubting what you are capable of *cannot* and *will not* lead to success.

7
PRACTICE MAKES PERFECT:
 improve a skill by doing it over and over again until you get it right.
 Put in your **10,000 HOURS,**
 as in Malcolm Gladwell's "Outliers."

8
STEP UP AND TAKE INITIATIVE.
 MAKE THINGS HAPPEN FOR YOU **INSTEAD OF WAITING** FOR THESE TO HAPPEN TO YOU.



9
"BE HANDS-ON,"
 says Amanda Yu, dentist.



If you have a business, make sure you know it inside out.

10
 Exercise. Keep your body healthy to avoid sickness and decreased productivity.

11
 **KEEP AN OPEN MIND TO NEW IDEAS AND OPINIONS**

12
"Walk your talk,"
 say Donna and Diana Tan, owners of Sariwon Barbeque.
LEAD BY EXAMPLE.

13
 Finish what you have started.
 You will feel more fulfilled.

14
 "It's a very challenging post, being the chairman of the PSE. One has a lot of responsibilities, and needs to rise up to the challenges," says Hans Sicat, Chairman of PSE. Accept the challenges that come your way and see them as opportunities to improve.



15
 Take responsibility for your actions.
 If you make mistakes, learn from them.

16
DON'T BE AFRAID TO ASK QUESTIONS.



This is part of your learning experience.

17
AIM TO BE THE BEST AT ALL TIMES.
 Don't settle for mediocrity when it comes to your output or your performance.



18
"HAVE THE HUMILITY TO LISTEN AND TO LEARN."
 says Sherika Tanmantiong, owner of Red Mango.

19
 Respect others, whether they are of authority or not.
 Treat everyone equally.

20
 Do not compromise your values.
 Stand up for your beliefs.

21
Build your network. 
 Knowing more people will help you in the long run.

22
 Be confident and proud of what you do.

23
KNOW YOUR LIMITS.
 Ask for help if your work is taking a toll on you.

24
Love what you do.
 If you haven't found it yet, don't lose hope.

25
 "If I didn't have my family with me, it could have been a totally different story," says Mariglo Laririt, El Nido Resorts Director for Sustainability. Have your family and friends with you on your journey to share your success with.

Get Out of Your Comfort Zone/Rappler via media-cache-ec0.pining.com

Question A-1 (1 point)

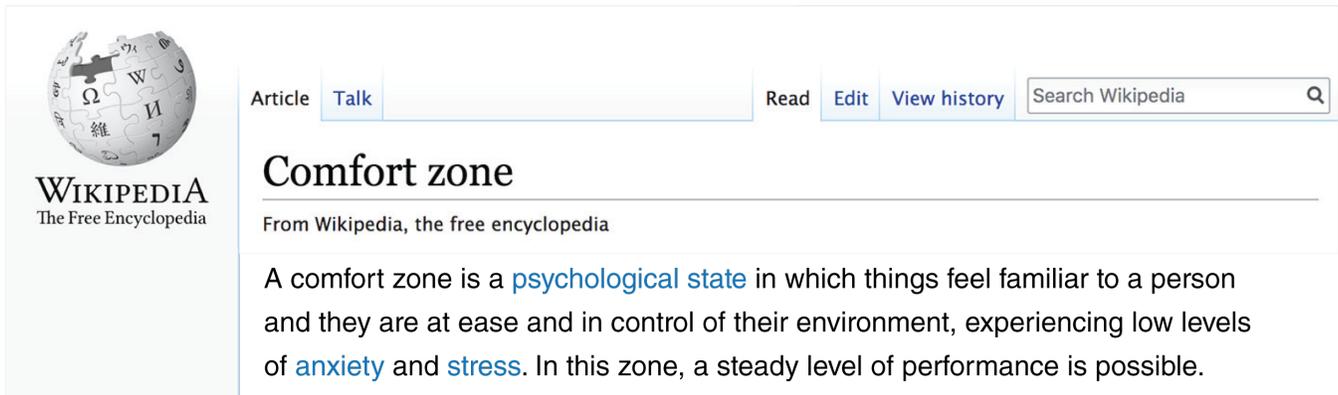
How to Push Yourself Out of Your Comfort Zone

Which statement best describes this infographic?

- It expresses original and creative insights.
- It summarizes the findings of academic research.
- It offers a collection of generally-accepted advice.

Question A-2 (1 point)

How to Push Yourself Out of Your Comfort Zone



The screenshot shows the Wikipedia article for "Comfort zone". On the left is the Wikipedia logo. The article title is "Comfort zone" with a subtitle "From Wikipedia, the free encyclopedia". The main text reads: "A comfort zone is a **psychological state** in which things feel familiar to a person and they are at ease and in control of their environment, experiencing low levels of **anxiety** and **stress**. In this zone, a steady level of performance is possible." Navigation buttons for "Article", "Talk", "Read", "Edit", and "View history" are visible at the top, along with a search bar.

Given this definition of a comfort zone, what is a potential criticism of the title *How to Push Yourself Out of Your Comfort Zone*?

The title of the infographic suggests that

being in a comfort zone is



- socially unacceptable.
- a barrier to achievement.
- a sign that people are discouraged.



In the following text

An Anishinaabe youth pushes himself to live in another country on exchange.

WAUBGESHIG RICE

Blog Entry

20 Jahre Nachher/20 Years Later

I was about to embark on a journey that would change the course of my life. It was 20 years ago today – July 31, 1996 – and I was 17 years old with my world about to blow wide open.

My luggage was checked, my documents were secure in my travel wallet, and prolonging the farewell would only result in awkward crying. There was nothing left to do or say, so I turned to walk towards the international gate, waving one last time and taking a mental snapshot of the quivering smiles on the faces of my loved ones.

Months earlier, I was selected by the Rotary Club of Parry Sound to take part in the Rotary International Youth Exchange Program and spend a year in northern Germany. It was a pretty big deal for an Anishinaabe kid from a small reserve on Georgian Bay. It wasn't really planned; I literally stumbled upon the opportunity when I saw a poster for the program in the hall at Parry Sound High School, which **piqued** my interest. It was a crucial time in my life: the waning months of Grade 12 when high school students were supposed to formulate an educational and career path.

I was now about to board a plane to a European country, not to return until the following summer and hopefully have a clearer vision of career ambition. I was both nervous and excited about the foreign path ahead of me, but I couldn't have anticipated just how it would shape the person I was to become. The tears were long buried as I buckled into my seat on the plane.

- 5 The months in the lead-up to my exchange were full of Rotary orientations, visits with family and friends, and learning as much about modern-day Germany as possible. I had tapes and books to learn the language, but admittedly, I barely listened to or read any of those (although I did learn German fluently while there). But one conversation I had in those final months in Canada stands out as truly momentous and **ominous**.



At Toronto's Pearson International Airport on July 31, 1996

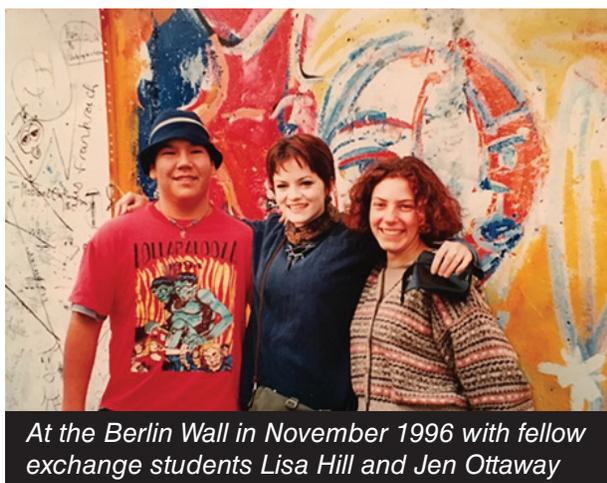
I got a call sometime before I left with a sort of job offer. I don't remember exactly when it was, because it has been 20 years, and details aren't as sharp. Either way, it was from the Anishinabek News, the newspaper published by the Union of Ontario **Indians** (now the Anishinabek Nation). The editor said they had heard about my upcoming trip, and wondered if I'd be interested in writing about my experiences as a '**Nish teen** in a European country for publication every month. And he said they'd pay me for each story.

The notion of being paid to write blew my mind. I had no idea that was possible. Journalism was never presented as a **viable** career option to me, mostly because I hadn't been exposed to the few Indigenous journalists at the time who were out there blazing a trail in Canadian media. And the main reason I applied for the exchange program in the first place was that despite being an honours student in high school, I didn't know what I wanted to do for a living, or what or where I wanted to study for college or university.

That's why, after attending the information session for the Rotary exchange program the day after seeing that poster in the hall, I thought it was a good option to keep those big decisions at bay, and take the opportunity to figure out my path during a year away from home in a far-off place. My parents were supportive, as were the rest of my family and the wider community around me, especially the people in my home of Wasauksing First Nation. I didn't realize then that I would become an ambassador for Anishinaabe people especially, and not just the country of Canada. That role emerged in the writing I was about to do.

In early August, I began the German equivalent of high school in the town of Brake in the maritime lowlands of the northeast. My host sister Anne drove me to the front door of **Gymnasium Brake**, and I had never been so nervous in my life. Those nerves were **exacerbated** by the dozens of students gathered out front. They all stared as I got out of the car, and my gut teetered on fear.

- 10 But as I approached, I saw **affability** and enthusiasm in their eyes, and they welcomed me warmly. I learned later that they gathered there that morning because they heard there was an "*Indianer*" coming to their school. They wanted to see how I looked. My friend Tim later told me they were disappointed to see me arrive in jeans and a t-shirt with short hair. They were expecting a "real-life" Indian like the ones they read about in the Winnetou tales by Karl May. We laughed, and I wrote about that for one of my first assignments for the Anishinabek News.



At the Berlin Wall in November 1996 with fellow exchange students Lisa Hill and Jen Ottaway

It's a story I tell often nowadays when I explain how I got into journalism and decided to make raising awareness of Indigenous experiences in Canada my life's mission. Up until that point in my life, I had never encountered such a great degree of enthusiasm and general interest in my Anishinaabe background. Most people I met there valued my heritage and experiences, and wanted to know more. Back then, outside of my own non-Indigenous family, that just didn't happen to me in Canada.

That made the cultural and social divide between Indigenous and non-Indigenous Canadians even clearer to me. I was well aware of the racism and general ignorance that existed in my home country because I had lived it first-hand, growing up in the 1980s and 90s. It took going to Germany to really feel celebrated and appreciated outside of my own community, and that was a shocking eye opener.

The more I thought about it, thousands of kilometres from home, the more I realized Canadians just weren't learning the proper story of Indigenous peoples and the actual history of how Canada came to be. And it wasn't the fault of everyday Canadians themselves. It was the education system itself that erased those truths and experiences. While I alone could never fix those problems, I could help raise awareness by writing about them.

There were more eye opening experiences like that first day of school. There was the time I was at an anniversary party for my host parents when an elderly German man told me to be proud of who I was as an Anishinaabe person and to ensure that my culture stayed strong. He said because when he was my age, he was forced to salute a man named Hitler and fall in line with all his horrible beliefs. As such, he said he found it hard to feel proud of his German background later in life. I wrote about that interaction, too.

- 15 I began getting letters from people back home who read those stories. They thanked me for sharing my experiences, and for representing the Anishinaabeg a world away from our homelands. Feedback like that was heartwarming and motivating. It made me realize that this kind of storytelling could have a real impact. That's when I decided I wanted to become a journalist.

I returned to Canada at age 18, had one last year of high school to go, and applied to journalism school. I got into Ryerson, graduated four years later, and have worked in different storytelling capacities since. It's an honour and a privilege to do this for a living, and I don't believe I would have found this life without that year in Germany.

I've looked back often. I've even gone back twice to visit, and I'm long overdue for a return. It will always be like another home to me. It's where I found my path, which continues to take shape. And for that, I'll always be grateful.

Danke schoen/chi-miigwech/thank you!

Waubgeshig Rice is an author and journalist originally from Wasauksing First Nation. He developed a strong passion for storytelling as a child while learning about being Anishinaabe. He currently works as a video journalist for CBC News Ottawa.

<http://www.waub.ca/20-jahre-nachher20-years-later/>

Students completing the assessment electronically will be able to access the following glossary items with a mouseover

piqued: attracted

ominous: hinting at the future

Indians: First Peoples; “Indian” is not the preferred term

‘Nish teen: Anishinaabeg teen

viable: realistic

Gymnasium Brake: name of the high school

exacerbated: made worse

affability: friendliness

Question A-3 (1 point)

Waubgeshig Rice

How did the students react to Waubgeshig Rice the day that he arrived at his high school in Germany?

They were surprised by

▼

his appearance.

his language skills.

his job as a journalist.

Question A-4 (1 point)

Waubgeshig Rice

What led Rice to more clearly understand the “cultural and social divide between Indigenous and non-Indigenous Canadians”?

- Germany felt more like home to him after he had returned to Canada.
- Family and other members of his community were supportive of his decision to travel to Germany.
- People in Germany expressed a greater curiosity about his culture than he had experienced in Canada.

Question A-5 (1 point)

Waubgeshig Rice

What motivated Rice to become a journalist?

- He received letters thanking him for sharing his experiences.
- He realized that he could entertain people through his writing.
- He encouraged other exchange program participants to share stories.

Which area of Ontario does Rice consider to be his home?

Click on the circle to indicate your response.



Why does Rice say that Canadians do not know the “proper story of Indigenous peoples” (paragraph 13)?

- Indigenous histories have not been taught in school.
- Canadians are not curious about Indigenous histories.
- News media do not cover Indigenous histories adequately.



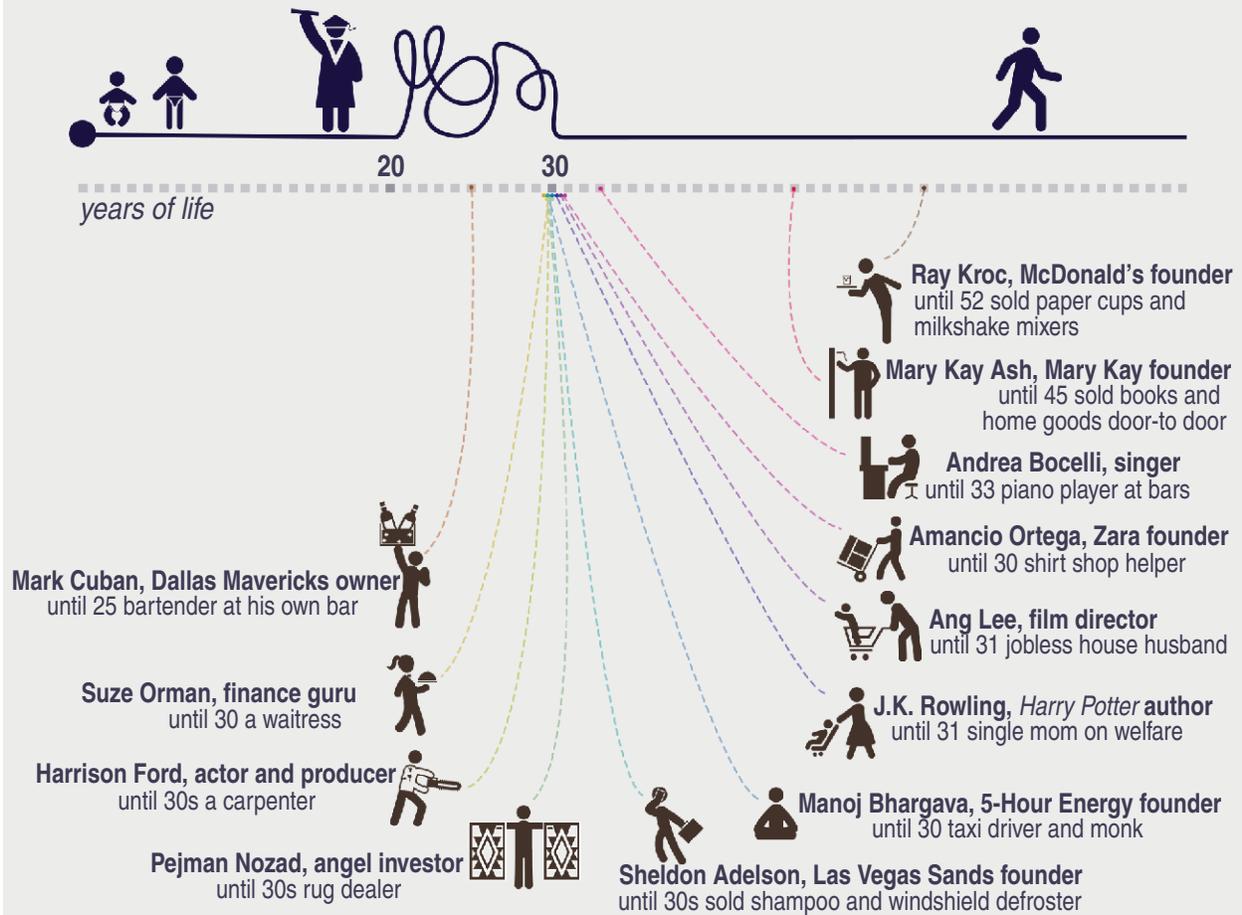
In the following texts

Sometimes making a change in your life is worth the perceived risk.

LOST IN LIFE?

by Anna Vital

PEOPLE WHO TOOK AN INDIRECT PATH TO SUCCESS

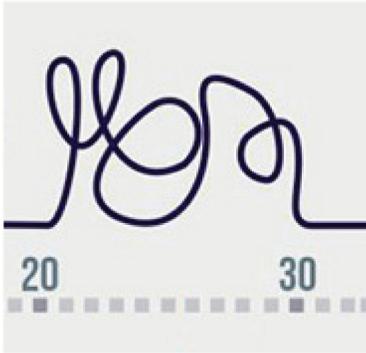


NOT ALL THOSE WHO WANDER ARE LOST. J.R.R. TOLKIEN

F&F Funders and Founders

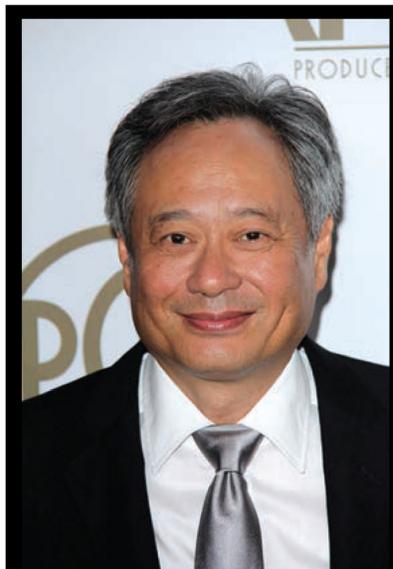
<https://blog.adioma.com/lost-in-life-people-indirect-path-to-success-infographic/>

Why is the timeline in the infographic twisted between the ages of 20 and 30?



- For many people, the greatest career challenge is finding steady employment.
- For many people, a period of exploration is necessary to finding a fulfilling career.
- For many people, having a career is less important than having an adventurous life.

Which type of career change did each of these people make?



Ang Lee

- Artistic Career Choice
- Business Career Choice



JK Rowling

- Artistic Career Choice
- Business Career Choice

What does the infographic seem to suggest about a person’s pathway through life?

The most



- accurate predictor of success is setting goals.
- effective learning occurs through experience.
- formative years of life happen before adulthood.

How to Chase Your Dreams and Reinvent Yourself

By James Clear | Creativity, Grit, Motivation

In 1965, a young man named Tom graduated from college with a degree in English.

Soon after, Tom took a job with an insurance company in Connecticut. After working there for seven years, he transitioned to a new role in the industry and started working for an insurance agency. He worked at that insurance agency for the next eight years.

In 1980, he decided to buy a small insurance agency. At this point Tom had been working in the insurance industry for 15 years, but he was beginning to feel an internal pull to do work that really excited him. He had always wanted to write a novel.

He started by writing in his spare time. Then, he started cutting his work day short so that he would have more time to write. Eventually, he was working on the novel whenever he could find time.

- 5 His wife, Wanda, recalled Tom’s early writing years by saying, “He was writing at home every weekend. I told him he should go back to selling insurance.”

In 1984, after working for almost 20 years in the insurance industry, Tom Clancy finally published his first book, *The Hunt for Red October*.

He was hoping to sell 5,000 copies. By the end of the decade it had sold more than 2 million.

It’s Never Too Late to Reinvent Yourself

Tom Clancy was one of the most successful authors of his generation. Focusing primarily on military story lines, Clancy wrote 17 novels that became #1 New York Times best-sellers. In total, his books sold more than 100 million copies. Many of them, including *The Hunt for Red October*, *Patriot Games*, and *The Sum of All Fears* were turned into major motion pictures. Others became the basis for popular video games like *Rainbow Six*, *Ghost Recon*, and *Splinter Cell*. For millions of readers, Tom Clancy is a household name.

But even with all of those amazing achievements, what I found most amazing about Clancy was his willingness to reinvent himself.

- 10 We all have goals that we say are important to us — getting in shape, building a business, writing a book, and so on — but for most of us, the **inertia** of life holds us back. This is especially true when we’re living a relatively comfortable life. Most people in Tom Clancy’s situation would probably continue their insurance career rather than chase the dream of becoming a novelist.

It's easy to look at someone with the success of Tom Clancy and claim that he was destined for success. 100 million copies sold? He must have been born to be a writer. But if you were to look at him at any point during the first 20 years of his career, you wouldn't have seen a writer at all.

And that raises an interesting question...

What made the biggest difference in Clancy's life? Was it his level of talent? Or was it his willingness to make choices and take action?

There are plenty of talented people who never make a choice to do something different, to reinvent themselves, and to pursue their dreams. It's hard to work up the guts to try something new. Nobody wants to feel stupid and start from the beginning all over again.

- 15 But talent isn't worth a thing without the willingness to take action. It's great to have a dream, but it's better to pursue it.

How many Tom Clancys are out there right now, holding their dreams inside and letting the inertia of life pull them in the same direction they've always gone?

Reinventing yourself and developing a new skill is hard work. Going from out of shape to the best shape of your life is hard work. Transitioning from corporate **desk jockey** to proud **entrepreneur** is hard work. Moving from life-long insurance salesman to best-selling novelist is hard work. And so is pretty much every other goal worth fighting for.

As Clancy says, there's nothing "**mystical**" about it. You won't feel "divinely inspired." The first steps toward any dream are slow, unsexy, and inconvenient — sort of like writing a novel on the weekends while you're still running a small insurance agency.

And to further complicate things, reinventing yourself is particularly hard because nobody is going to praise you for it — especially in the beginning. Tom Clancy's wife told him to "go back to selling insurance."

- 20 The good news is that the path to doing work you love might not look the way you expected, but it can still get you to where you want to go — if you make the choice to try something new.

It's never too late to reinvent yourself.

By James Clear and JamesClear.com

Students completing the assessment electronically will be able to access the following glossary items with a mouseover

inertia: resistance to change

desk jockey: office worker

entrepreneur: independent business person

mystical: mysterious

Question A-11 (1 point)

How to Chase Your Dreams and Reinvent Yourself

What helped Tom Clancy become a successful writer?

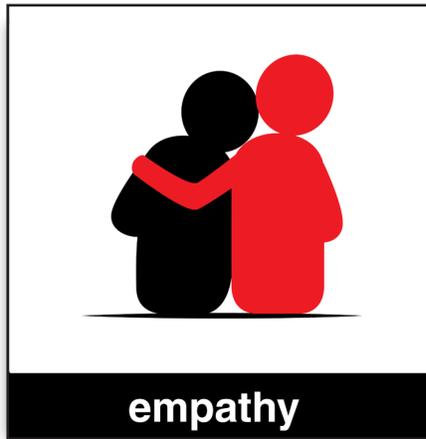
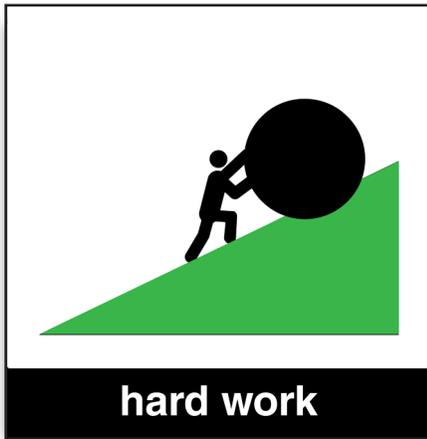
- his supportive family
- his openness to change
- his varied life experiences

Question A-12 (1 point)

How to Chase Your Dreams and Reinvent Yourself

According to the text, what is necessary in order to reinvent yourself?

Click on the picture to indicate your response.



Which piece of advice would Clancy give to aspiring young writers?

MAKE A LIST
- even just a mental one -
of what you *really*
want to achieve.

Go through this list every morning and let it motivate you.



PRACTICE MAKES PERFECT:
improve a skill by doing it over
and over again until you get it right.
Put in your
10,000 HOURS,
as in Malcolm Gladwell's "Outliers."

KNOW YOUR LIMITS.
Ask for help if your work is taking a toll on you.

Build your network. 

Knowing more people will help you
in the long run.

What important quality do Rice and Clancy share?

Waubgeshig Rice

Tom Clancy

- generosity
- confidence
- forgiveness

Question A-15 (1 point)

Which of the following quotations would both Rice and Clancy recommend for use in a graduation speech?

Click on two quotations to indicate your response.



”
If you haven't found it yet,
keep looking. Don't settle.
Steve Jobs

”
You can't measure success if
you have never failed.
Steffi Graf



”
Everyone can rise above
their circumstances and
achieve success if they are
dedicated to and passionate
about what they do.
Nelson Mandela

Suggested time: 10 minutes

Complete this chart to summarize your understanding of the ideas in these texts.

Based on your understanding of the texts, write a statement that summarizes an idea about taking risks in life.

Texts	What examples from these texts support your summary statement?
 <p>Waubgeshig Rice</p>	
 <p>Tom Clancy</p>	

Write a concluding statement about why these ideas matter.



What do these texts have to say?

To what extent is it necessary to take risks in life?



- Respond critically to this question in a well-developed multi-paragraph composition.
- Communicate a convincing argument.
- Show your understanding of the information you have read in this section of the assessment by making reference to one or more of the texts.

Suggested time: 25 minutes



Big Idea

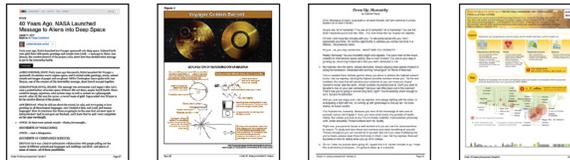
It is important to explore new possibilities.



PART B

Suggested Time: 65 minutes

The way people perceive the present affects their decisions about the future.

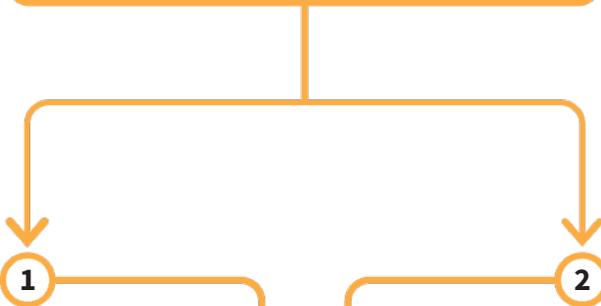


In this section you will:

- read and analyze a variety of texts
- complete selected response questions worth fifteen points
- select a Writing Pathway to complete your extended written response worth twelve points



Writing Pathway



Decisions you make now can impact others in the future.

The future contains endless possibilities.



In the following text

People have long imagined that we may come in contact with life from elsewhere in the universe.

SPACE

40 Years Ago, NASA Launched Message to Aliens into Deep Space

August 11, 2017

Heard on [All Things Considered](#)

CHRISTOPHER JOYCE



Forty years ago, NASA launched two Voyager spacecraft into deep space. Onboard both were gold discs with music, greetings and sounds from Earth—a message to aliens. Ann Druyan, the creative director of the project, talks about how they decided what message to put in the interstellar bottle.

Transcript

AUDIE CORNISH, HOST: Forty years ago this month, NASA launched the Voyager 2 spacecraft. Its mission was to explore space, and it carried audio greetings, music, animal sounds and images of people and our planet. NPR's Christopher Joyce spoke with Ann Druyan, one of the creators of this interstellar message, about how it was put together.

CHRISTOPHER JOYCE, BYLINE: The message was astronomer Carl Sagan's idea. Let's send a pocket history of us into space. If there's life out there, maybe they'll find it. There would be images, equations, solar system maps as well as sounds on a phonograph record—after all, this was the 1970s—a record made of gold. Sagan asked Ann Druyan to be the creative director of the project.

ANN DRUYAN: When he told me about the record, he said, and we're going to have greetings in all these human languages. And I looked at him, and I said, just human languages? How do you know that those are going to be the ones that are most open to interpretation? And he just gave me this look, and I knew that he and I were completely on the same wavelength.

5 JOYCE: So there were animal sounds—whales, for example...

(SOUNDBITE OF WHALE SONG)

JOYCE: ...And a chimpanzee.

(SOUNDBITE OF CHIMPANZEE SCREECH)

DRUYAN: So it was a kind of enthusiastic collaboration with people yelling out the names of different animals and languages and buildings and all of—and pieces of music of course—all of those possibilities.

10 JOYCE: Druyan wanted Beethoven, but she also wanted to rock ‘n’ roll.

DRUYAN: I wanted it to be by one of the geniuses and progenitors of rock ‘n’ roll, one of the inventors. And I felt it should be Chuck Berry.

JOYCE: Sagan didn’t like rock and roll.

(SOUNDBITE OF CHUCK BERRY SONG, “JOHNNY B. GOODE”)

JOYCE: But Chuck Berry’s classic song “Johnny B. Goode” made the cut.

15 (SOUNDBITE OF CHUCK BERRY SONG, “JOHNNY B. GOODE”)

JOYCE: The team had other disagreements. They debated whether to show humanity’s ugly side—Auschwitz, the Cambodian genocide. Sagan argued against it.

DRUYAN: He was concerned that it would be **misconstrued** as a threat. And he wasn’t really certain that it would be understood for what it was—an expression of failure and regret on our part.

JOYCE: Instead, the recording features friendly greetings in numerous languages, such as one in the Amoy dialect of southern China.

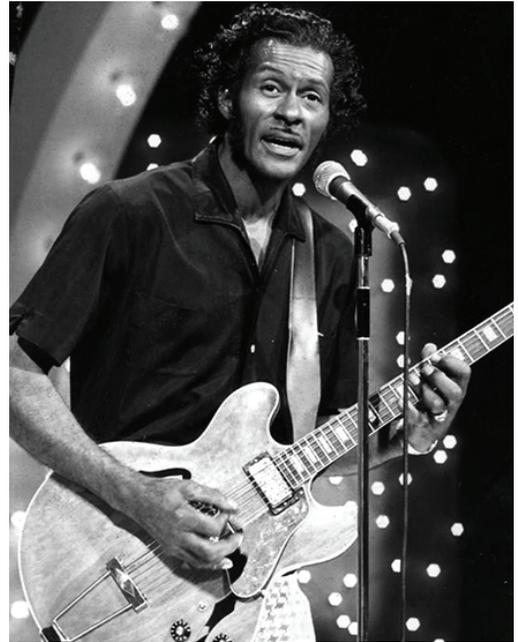
UNIDENTIFIED WOMAN: (Speaking Amoynese).

20 JOYCE: Friends of space, how are you all? Have you eaten yet? Come visit us if you have time. Visiting Earth to eat actually worries critics of interstellar outreach. Advertising our location could be a recipe, quite literally, for disaster. Druyan is having none of it.

DRUYAN: You know, the idea of, like, don’t tell them where we are ‘cause they’ll come and eat us for lunch—if you’re traveling in space, then you probably also figured out how to get lunch without traveling the astonishing distances between the stars.

JOYCE: Druyan says one of her fondest memories came 12 years after the 1977 launch of the two spacecraft. There was a big party at NASA’s Jet Propulsion Lab in California. She and Sagan arrived late with a surprise guest—Chuck Berry.

DRUYAN: All of a sudden, Chuck Berry came out in his white suit, and the opening chords of “Johnny B. Goode” echoed through the night. And the hundreds of scientists and engineers who’d been involved, technicians, everyone and their families were rocking out that night.



While no individual can be said to have invented rock and roll, Chuck Berry comes the closest of any single figure to being the one who put all the essential pieces together. It was his particular genius to graft country & western guitar licks onto a rhythm & blues chassis in his very first single, “Maybellene.”

Rock and Roll Hall of Fame
(Photo: © 1973 NBC Television)

JOYCE: The two Voyagers are now billions and billions of miles from Earth. Any time now, we could be getting a message back from space. Hey, Earthlings, take me to “Johnny B. Goode.”

25 Christopher Joyce, NPR News.

(SOUNDBITE OF SONG, “JOHNNY B. GOODE”)

CHUCK BERRY: (Singing) Where lived a country boy named Johnny B. Goode who never ever learned to read or write...

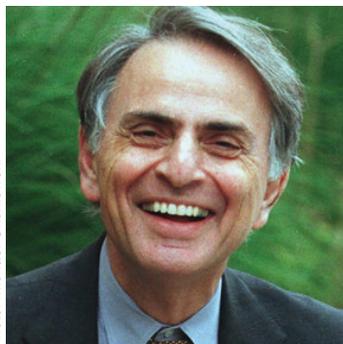
©2019 National Public Radio, Inc. Transcript from an NPR report titled “40 Years Ago, NASA Launched Message To Aliens Into Deep Space” was originally broadcast on NPR’s *All Things Considered* on August 11, 2017, and is used with the permission of NPR. Any unauthorized duplication is strictly prohibited.

Ann Druyan

From Wikipedia, the free encyclopedia

Ann Druyan (/ˈdriː.æn/ *DREE-an*) born June 13, 1949) is an American writer and producer specializing in the communication of science. She co-wrote the 1980 PBS documentary series *Cosmos*, hosted by Carl Sagan, whom she married in 1981. She is the creator, producer, and writer of the 2014 sequel, *Cosmos: A Spacetime Odyssey*.

She was the Creative Director of NASA’s Voyager Interstellar Message Project, the golden discs affixed to both the Voyager 1 and Voyager 2 spacecraft.



Carl Sagan Biography.com

Scientist, Academic, Astronomer (1934–1996)

Carl Sagan was probably the most well-known scientist of the 1970s and 1980s. He studied extraterrestrial intelligence, advocated for nuclear disarmament, and co-wrote and hosted ‘Cosmos: A Personal Voyage.’

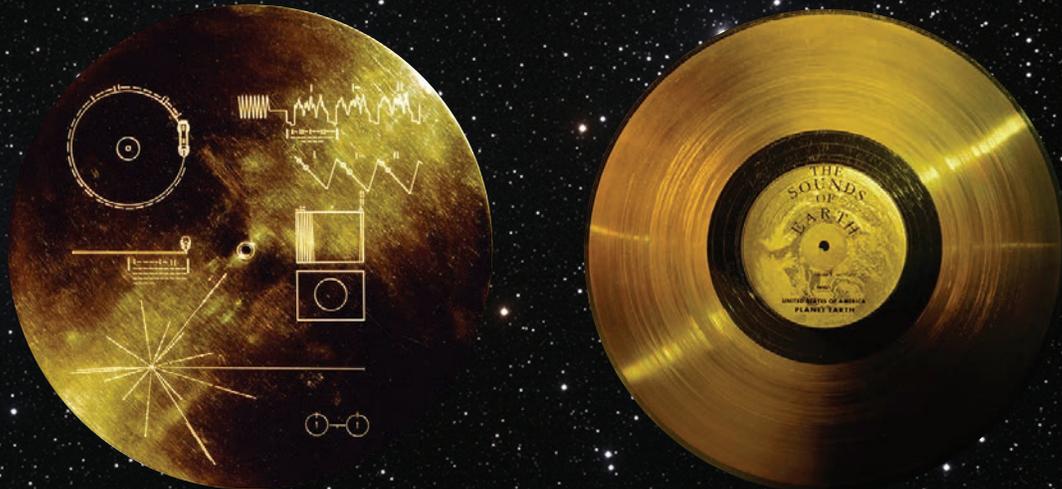
Photo of Ann Druyan: <https://www.techstination.com/interviews/Ann-Druyan-on-the-Voyager-spacecraft--Carl-Sagan-40-years-ater-1495823361742/img-1495823471380.jpg>
Carl Sagan bio: <https://www.biography.com/people/carl-sagan-9469191>

Students completing the assessment electronically will be able to access the following glossary items with a mouseover

misconstrued as: mistaken for

Figure 2

Voyager Golden Record



EXPLANATION OF RECORDING COVER DIAGRAM

Binary code defining proper speed (3.6 seconds/rotation) to turn the record (| = binary 1, — = binary 0) expressed in 0.70×10^{-9} seconds, the time period associated with the fundamental transition of the hydrogen atom

Outline of cartridge with stylus to play record (furnished on spacecraft)

Pictorial plan view of record

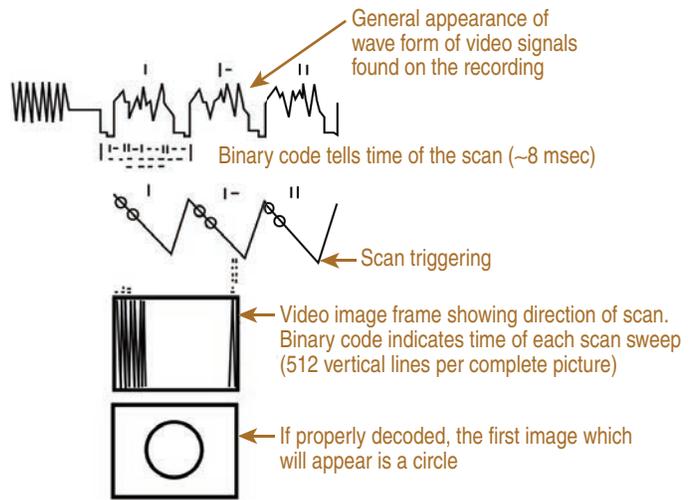
Elevation view of cartridge

Elevation view of record

Playing time, one side = ~1 hour

This diagram defines the location of our sun utilizing 14 pulsars of known directions from our sun. The binary code defines the frequency of the pulses.

The diagrams below define the video portion of the recording



This diagram illustrates the two lowest states of the hydrogen atom. The vertical lines with the dots indicate the spin moments of the proton and electron. The transition time from one state to the other provides the fundamental clock reference used in all the cover diagrams and decoded pictures.

<https://voyager.jpl.nasa.gov/golden-record/golden-record-cover/>
<https://voyager.jpl.nasa.gov/golden-record/making-of-the-golden-record/>

Question B-1 (1 point)

40 Years Ago, NASA Launched Message to Aliens into Deep Space

Why is the Voyager spacecraft described as “the interstellar bottle”?

The description:

outlines the shape of the spacecraft.
reflects the secrecy that was part of space competition.
makes comparisons to messages from stranded travelers.

Question B-2 (1 point)

40 Years Ago, NASA Launched Message to Aliens into Deep Space

Which quotation from the text suggests that the scientists realized that forms of human communication may not be universal?

“And he just gave me this look, and I knew that he and I were on the same wavelength” (paragraph 4)

“Instead, the recording features friendly greetings in numerous languages, such as one in the Amoy dialect of southern China.” (paragraph 18)

“He was concerned that it would be misconstrued as a threat.” (paragraph 17)

“Advertising our location could be a recipe, quite literally, for disaster.” (paragraph 20)

Question B-3 (1 point)

40 Years Ago, NASA Launched Message to Aliens into Deep Space

Why were some critics against trying to contact other life forms?

They believed humans would

▼

- become prey.
- lose control over the planet.
- be forced to compete for food.

Question B-4 (1 point)

40 Years Ago, NASA Launched Message to Aliens into Deep Space

What might Druyan say to dismiss the concerns the critics have about invaders?

Click on the speech bubble to indicate your response.



They probably won't even want to come here because humans just aren't that nice!

It would take them too long to ever get here!

Give them a little more credit for intelligence!

Question B-5 (1 point)

40 Years Ago, NASA Launched Message to Aliens into Deep Space

The cover of the gold discs on the Voyager spacecraft could best be compared to which historical artifact?

The Magna Carta – document that brought peace between a king and his subjects.



The Rosetta Stone – the key to understanding Egyptian hieroglyphs.



The printing press – revolutionized communication through the mass production of texts.



Question B-6 (1 point)

40 Years Ago, NASA Launched Message to Aliens into Deep Space

If he were still alive today, what would Carl Sagan most likely conclude about the information on the gold discs?

- It is out of date but it is still meaningful.
- It offers a basic yet amusing snapshot of how we were.
- It is simplistic and underestimates the intelligence of other life forms.



In the following texts

Humanity is warned about their future in this monologue.

Grow Up, Humanity

by Gabriel Davis

(From: *Monologues for teens, young adults or old adults!* Dramatic, with light undertones of comedy. Speaker can be male or female.)

So you are “all of humanity”? You are all of humanity? All of humanity? You are not what I expected you’d look like. Well...You look kinda like my 14-year-old nephew.

I’m told I only have two minutes with you. To talk some sense into you. And I appreciate your time. I’m told the opportunity to address you comes but once in a lifetime...No pressure, haha.

It’s just...ok, you may not like this...WHAT ARE YOU DOING!?!?

Really! Seriously! You are incredibly bright and capable. You put a man on the moon, created an international space station, flew a rover to Mars! You are on your way to growing up, becoming independent! But you seem distracted to me.

- 5 My nephew, he’s the same, always distracted. Always playing video games instead of doing his homework. Obsessed with earning “virtual gold” on World of Warcraft.

You’ve created these intricate games where you strive to achieve the highest numeric score. Like my nephew, earning the highest possible numbers drives you. Yet the real numbers, the ones that will advance your sciences so you can move out of your “parent’s house” aka the earth...those numbers you barely look at. Don’t you want to be able to live on your own someday? Get your own little place out in the cosmos? That’s how you’re going to survive long term, right? You’re certainly smart enough to do it. But you’re distracted.

And you sure are angry a lot. Like my nephew, he’s always fighting with his sister, or anticipating a fight with her, or coming up with great ways to one-up her. He loves drama, he loves conflict.

You frustrate me, humanity. Because you have all the knowledge to take care of yourself, but you don’t apply it. Sure, you have small areas, tiny pockets of health, vitality. But overall, just look at you! You’re mostly underfed, malnourished, physically unfit, under-educated. Those numbers don’t lie, buddy.

Right now, your parents’ house is well stocked and you can use the resources there to mature. To study and learn those real numbers and make something of yourself. There’s enough so you can nourish all of yourself. But not if you keep multiplying like you’ve been—please keep those hormones in check. Like I tell my nephew, there will be plenty of time for dating when you go off to college.

- 10 Oh no. I hear my snooze alarm going off. I guess this is it, my two minutes is up. I hope this is all sinking in because...I’m going to wake up in a second.

Bottom line, you may not have the time you think you have. A rock could fall out of the sky. You could catch a bad cold. Or have really bad weather...bad things can happen. Use every moment. No more distractions, cut out the fighting and the games. Get serious. Pull yourself together. Focus. Prepare to move out of your parents' house.

Grow up, Humanity. Please. Grow up.

by Gabriel Davis. From the one act play *Hello, Goodbye, Peace*.
CreateSpace Independent Publishing Platform (July 10, 2016).
<http://www.monologuegenie.com/grow-up-humanity-monologue.html>

Question B-7 (1 point)

Grow Up, Humanity

Which line from the monologue implies that humanity must act with urgency?

- “You are all of humanity? All of humanity?”
- “I’m told I only have two minutes with you.”
- “Don’t you want to live on your own someday?”
- “You’re mostly underfed, malnourished, physically unfit, under educated.”

Question B-8 (2 points)

Grow Up, Humanity

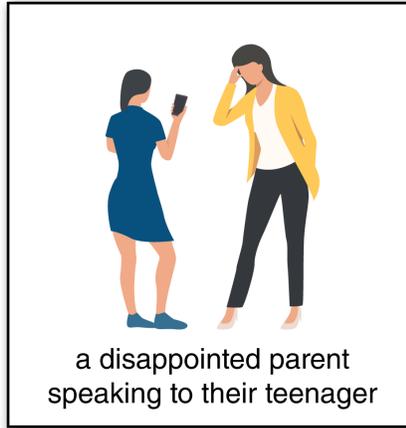
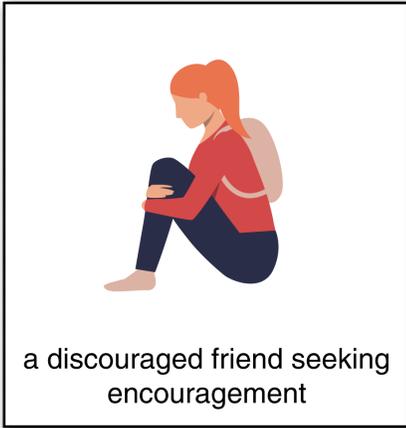
What are the problems the speaker sees as threatening humanity?

Select the three that apply.

- overpopulation
- lack of intelligence
- obsession with wealth
- failure to communicate
- disregard for physical and mental health

Which image best represents the attitude of the speaker in this monologue?

Click on the picture to indicate your response.



Which statement expresses a theme common to the two texts?





In the following text

An infographic presents information on the future of issues related to extreme heat.

IRREVERSIBLE EXTREME HEAT: PROTECTING CANADIANS AND COMMUNITIES FROM A LETHAL FUTURE

Urban areas are the hot spots of global warming. Extreme heat, alongside flooding and wildfire, is a key risk to the health and well-being of Canadians. Urgent action is required NOW to manage risk and avoid worsening impacts – and ultimately FATALITIES – resulting from rising heat. The ‘Irreversible Extreme Heat’ guide presents practical actions that Canadians can undertake to reduce risks in relation to extreme heat.

Impacts

Extremely hot temperatures and heat waves can be deadly and have a severe impact on:



Infrastructure and Services

- Electrical distribution problems
- Disrupted digital and telecommunications services
- Damage to transportation infrastructure - rail, roads, bridges
- Reduced water availability
- Increased demand for health and social services



Health

- Increase in physical health issues and heat-related deaths
- Adverse effects on mental health and wellbeing
- Increased challenges for populations at risk e.g. older adults, low income families, homeless people



Natural Environment

- Water-stressed plants
- Reduced insect populations
- Changes in bird communities
- Reduced water quality



Economy

- Reduced economic productivity
- Increased costs of loss of life and reduced quality of life

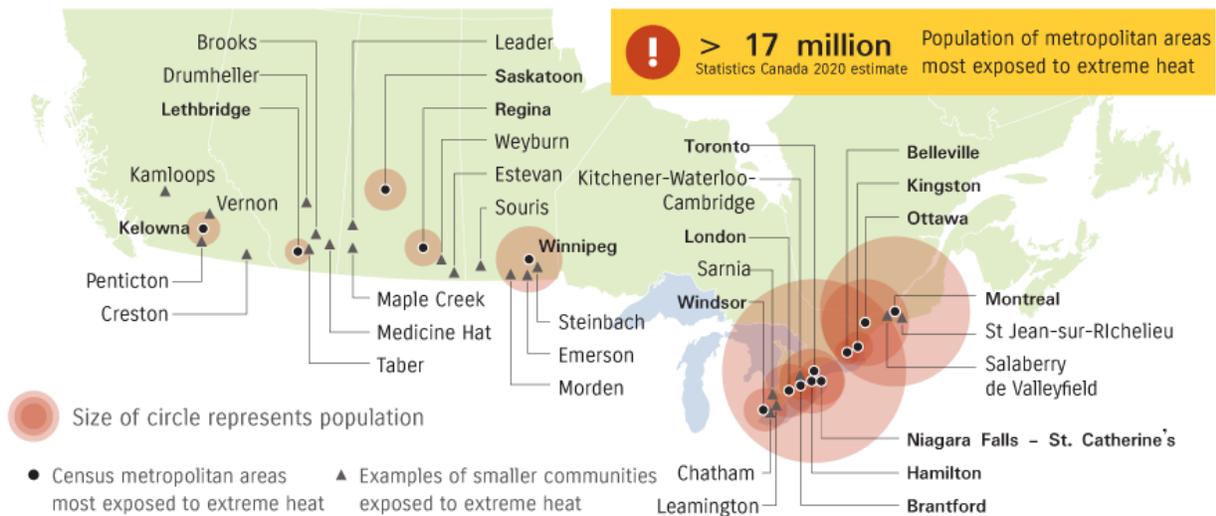


Heat-related deaths

526 in British Columbia 2021 86 in Quebec 2018

Risk

Millions of Canadians live in the metropolitan areas and smaller communities where projected extreme heat indicators are most severe (2051-2080).



Actions

The 'Irreversible Extreme Heat' guide presents 35 practical actions that Canadians can undertake to reduce risks related to extreme heat. Here is a small selection of the actions:

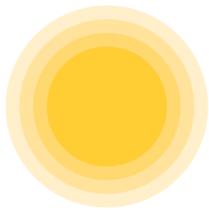
Actions fall into three categories

	Non-structural (planning and behavioural changes)	Green Infrastructure (working with nature)	Grey Infrastructure (improving buildings and public infrastructure)
 Individuals	Work with neighbours, friends and family to prepare	Plant and maintain trees 	Install shading devices (shutters, awnings, overhangs, blinds, heat-resistant curtains)
 Property Owners and Managers	Understand building-scale vulnerabilities to extreme heat	Install a green (vegetated) roof 	Install and maintain backup power generation (e.g. to maintain air conditioning in designated "cool" rooms)
 Communities	Develop extreme-heat emergency plan	Expand vegetated areas and water bodies and absorb more water (forming a blue-green infrastructure network) 	Adapt community infrastructure to extreme heat (e.g. transport, utilities, water supply)

Three groups of Canadians have a role to play, by acting on their own and encouraging others to act to build resilience to extreme heat at the local and community scale

Supported by

intact



Actions can deliver additional benefits

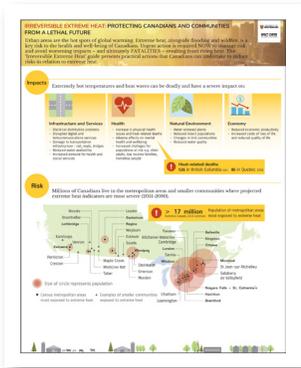
Solutions that work with nature can improve biodiversity, help to reduce flooding, and increase carbon storage. Energy efficiency and resilience to extreme heat can be improved at the same time, reducing energy consumption and greenhouse-gas emissions.

Canadian alarm bells should be ringing loud and clear in relation to extreme heat. Everyone has a responsibility to reduce their own risks from extreme heat, and an opportunity to help protect others more vulnerable than themselves.

35
actions

See all 35 actions in the *Irreversible Extreme Heat: Protecting Canadians and Communities From a Lethal Future* report at <https://www.intactcentreclimateadaptation.ca/irreversible-extreme-heat-protecting-canadians-and-communities-from-a-lethal-future>

What is the main priority of the University of Waterloo infographic?



- to build the economy
- to save the lives of people
- to protect the environment
- to examine current infrastructure

What conclusion related to risk can be reasonably drawn from the map of Canada?

Very few small towns are at risk for extreme heat.

The extreme heat risk is higher near large bodies of water.

The risk of extreme heat in Canada is greatest in lower latitudes.

All large cities in Canada have projected extreme heat indicators.

How is the information in the infographic presented?

- It offers anecdotal evidence, historical context and cited references.
- It creates concerns, explain why there should be concerns and offer plans for action.
- It's written in first person, it speaks in commands and refrains from using description.
- It uses colloquial language; relates personal stories and illustrates with case studies.

Question B-14 (1 point)

Which image from “Grow Up, Humanity” is used to communicate a similar message in “Irreversible Extreme Heat?”

Grow Up, Humanity

Grow Up, Humanity
by Gabriel Guzmán

(From *Illustrated for teens: poems, articles and stories* (Dorland), with light annotations of comedy. Register can be open or female.)

So you are 'all of humanity'? You are all of humanity? All of humanity? You are not what I expected you to look like. Well... You look lovely like my 14-year-old nephew.

(Enkidu) Only have two minutes with you. To talk some sense into you. And I appreciate your time. It's not the opportunity to address you comes out once in a lifetime. See procedure, it's like.

It's just... Ah, you may not like this... **WHAT ARE YOU DOING?!**

Reply: "Sarcasm? You are incredibly light and capable. You are a man on the moon, created on intergalactic space station. Now a rover to Mars! You are on your way to growing up, becoming independent! But you seem distracted to me."

My nephew, he's the same, always distracted. Always playing video games instead of doing his homework. Always and when eating "I mean just" on World of Warcraft.

You've created these intricate games where you strive to achieve the highest number score. Like my nephew, wanting the highest possible numbers all day long. For the real numbers, the ones that will advance your existence so you can move out of your "parent's house" like the earth... those numbers you barely look at. Don't you want to be able to live on your own someday? Get your own little piece out in the open? That's how you're going to survive long term, right? You're certainly smart enough to do it, but you're distracted.

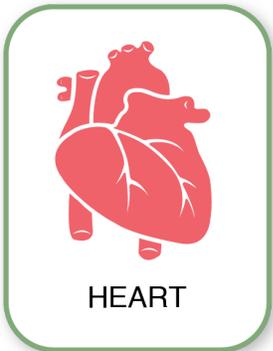
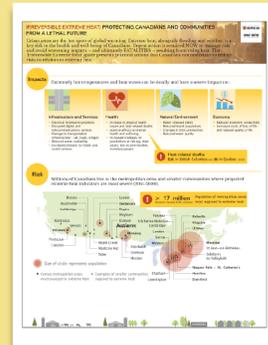
And you sure are angry, a bit. Like my nephew, he's always fighting with his sister, or associating in fits with her, or coming up with great ways to cry so her "the love games, he loves COMEDY."

You hate me, humanity. Because you have all the knowledge to take care of yourself, but you don't apply it. Sure, you have small areas, tiny pockets of health, vitality. But overall, look at you! You're mostly uneducated, malnourished, physically unfit, under-educated. Those numbers don't lie, buddy.

Right now, your parents' lives is well studied and you can use the resources there to educate. To teach and learn from real numbers and make something of yourself... There's enough so you can flourish all of you now. But not if you know nothing like you do. Like... please keep those homeworks, it's critical. Like, like my nephew, there will be plenty of time for doing when you go on to college.

Oh no, I hear my nephew starts going off. I guess this is in my two minutes to go. I hope this is all striking in because... I'm going to wake up in a second.

Irreversible Extreme Heat





Big Idea

It is important to explore new possibilities.



PART B

Suggested Time: 65 minutes

The way people perceive the present affects their decisions about the future.

Writing Pathway

Click on your preferred Writing Pathway to continue to the extended written response.

1

Decisions you make now can impact others in the future.

2

The future contains endless possibilities.

1

What do you have to say?

Decisions you make now can impact others in the future.

- You must express yourself in an extended written format of your choice.
- You may respond creatively, reflectively and/or critically using any written form.
- You may refer to the texts, but you are not required to do so.

Suggested time: 25 minutes

2

What do you have to say?

The future contains endless possibilities.

- You must express yourself in an extended written format of your choice.
- You may respond creatively, reflectively and/or critically using any written form.
- You may refer to the texts, but you are not required to do so.

Suggested time: 25 minutes



SELF-REFLECTION

Take a moment to reflect on your experience with the assessment.

Your feedback will provide valuable information to the assessment developers.

**This component is not scored and your responses will be confidential.*

Question 1

In order to get ready for this assessment, I...

(Select all that apply)

- prepared ahead of time in class.
- prepared with my peers.
- prepared on my own.
- did not prepared.
- Other

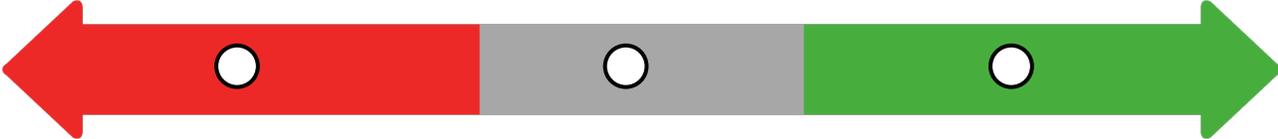
I prepared by...

- doing the sample assessment.
- looking at online videos.
- looking at online student exemplars.
- Other

Question 2

This assessment let me demonstrate my ability in literacy:

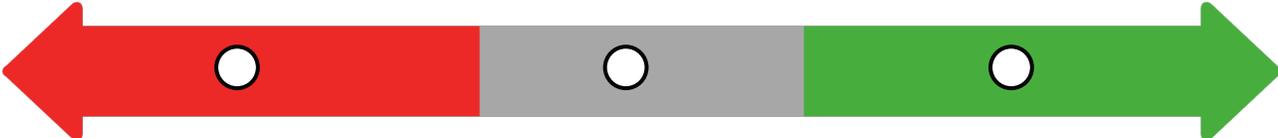
Disagree unsure Agree



A horizontal Likert scale consisting of three segments: a red segment on the left with a white circle, a grey segment in the middle with a white circle, and a green segment on the right with a white circle. The segments are separated by thin white lines. The red segment is labeled 'Disagree', the grey segment is labeled 'unsure', and the green segment is labeled 'Agree'.

I was able to comprehend the texts:

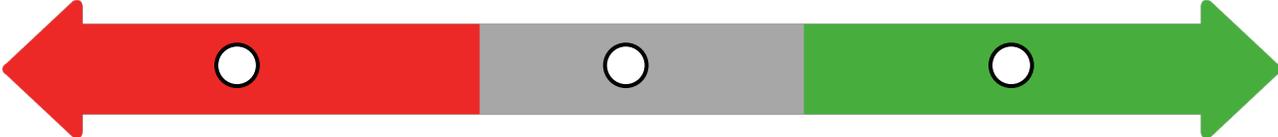
Disagree unsure Agree



A horizontal Likert scale consisting of three segments: a red segment on the left with a white circle, a grey segment in the middle with a white circle, and a green segment on the right with a white circle. The segments are separated by thin white lines. The red segment is labeled 'Disagree', the grey segment is labeled 'unsure', and the green segment is labeled 'Agree'.

I was able to communicate in writing:

Disagree unsure Agree



A horizontal Likert scale consisting of three segments: a red segment on the left with a white circle, a grey segment in the middle with a white circle, and a green segment on the right with a white circle. The segments are separated by thin white lines. The red segment is labeled 'Disagree', the grey segment is labeled 'unsure', and the green segment is labeled 'Agree'.

Question 3

This assessment let me demonstrate the following competencies:

(Select all that apply)

- Critical and Reflective Thinking
- Creative Thinking
- Communication
- Positive Personal and Cultural Identity
- Personal Awareness and Responsibility
- Social Awareness and Responsibility

Question 4

I encountered challenges during this assessment.

- Yes
- No

The challenges I encountered on the assessment were with:

(Select all that apply)

- the texts.
- the length of time.
- the amount of writing.
- the overall difficulty.

Question 5

A key takeaway for me after completing this assessment is:

Question 6

Do you have any feedback or comments about the assessment?