

Objectives

- Talk about innovative ideas
- Talk about extremes
- How to generalize and be specific
- Present new ideas



First published in 2024 by mYngle

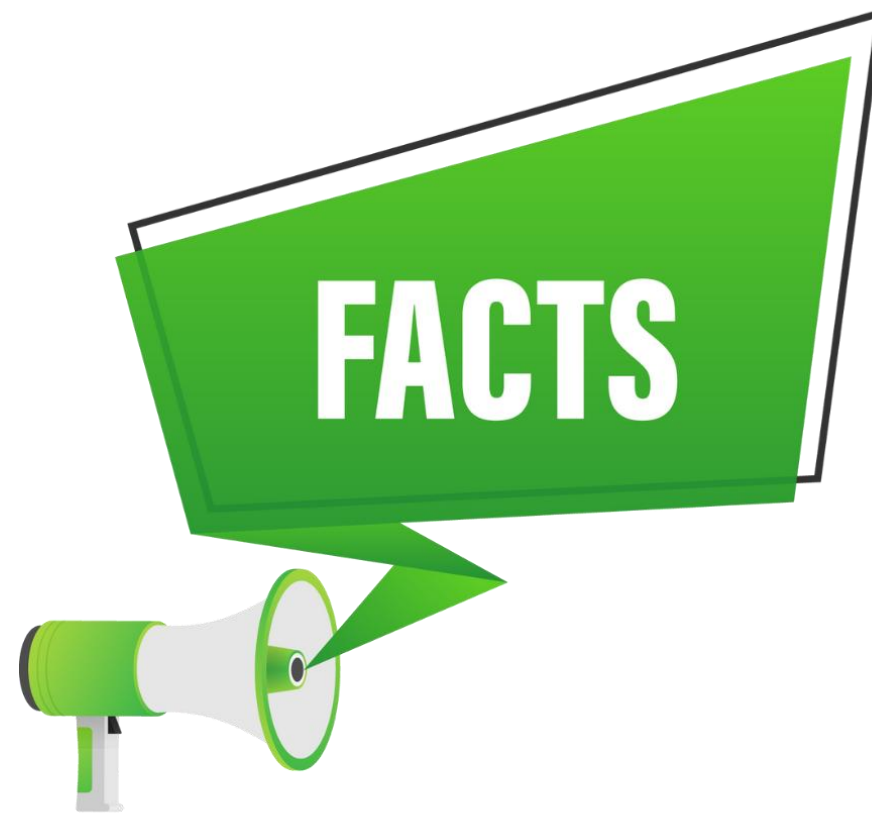
© mYngle BV, 2024

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, without the prior written permission of mYngle, or as expressly permitted by applicable Dutch law.

You may not distribute, share, or circulate this content without explicit authorization from mYngle. Any unauthorized distribution or reproduction is strictly prohibited and may result in legal action.

This digital edition is published exclusively by mYngle.

1. Read the statements about AI and say if they are **Facts** or **Myths**.



or



1. AI can make independent decisions.

2. AI will replace all human jobs.

3. Most AI bots are female.

4. AI algorithms can process any data.

5. AI is smarter than people.



Audio
12.1

2. Listen to the interview about the use of AI and answer the questions.

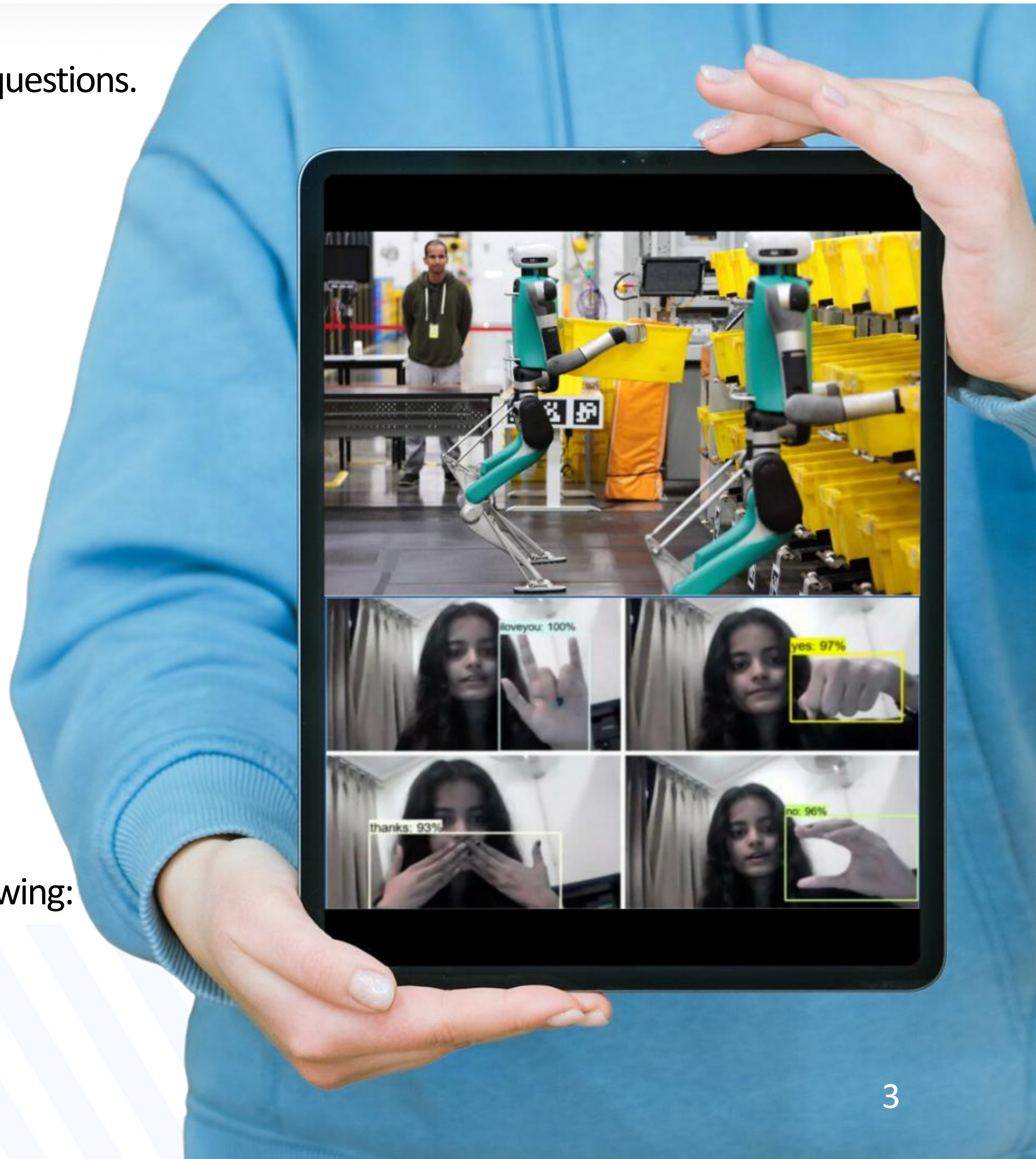
- 1. What did Priyanjali Gupta create with AI?
- 2. How does AI affect healthcare?
- 3. How does Amazon use AI?
- 4. What is the future of AI?

3. Complete the table.

Noun	Adjective	Verb
		revolutionize
advancement		
novelty		-----
future		-----
		innovate
		create
origin		

4. Which of the words from exercise 3 would you use to describe the following:

- 1. Drone delivery
- 2. ChatGPT
- 3. Window cleaning robot



5. Choose the correct option.

- 1. All she cared about was the _____ of her own career.
a) revolution b) origin c) advancement
- 2. If this is an _____ Van Gogh, it will be very valuable.
a) creative b) original c) advanced
- 3. Leonardo da Vinci _____ the masterpiece we know as "The Last Supper".
a) created b) innovated c) revolutionized
- 4. Newton's discoveries _____ physics.
a) revolutionized b) innovated c) originated
- 5. A _____ drone was on display at the auto show.
a) creative b) highlighted c) futuristic
- 6. The nineteenth century was an era of technical and engineering _____ in many fields.
a) innovation b) origin c) future
- 7. The COVID-19 pathogen is a _____ coronavirus.
a) innovative b) novel c) creative

6. Think of the advantages and disadvantages of AI. Discuss them with your teacher / partner.

Characteristics	Examples

1. How would you innovate the things below? Discuss it with your teacher / partner.



kitchen



2. Read the text and answer the questions.

1. What is Moley R?
2. How do cyclists use the Commuter X Jacquard?
3. How did VanMoof reduce bicycle damage?

1. Moley Robotics is the **brainchild** of a team of engineers and designers who have created a **cutting-edge** kitchen robot. This **invention** will **revolutionize** the way we cook and manage our kitchens. Moley R. is not just any robot; it is equipped with advanced technology that allows it to cook with the skill of a chef, learn new recipes, and even clean up after cooking.

However, the development of Moley R. was not without its **obstacles**. The team had to overcome numerous technical challenges to ensure that the robot could safely and efficiently handle kitchen tools and ingredients. Now, Moley R. stands as a testament to human innovation and creativity. It promises to transform our daily routines, making cooking a more enjoyable and less time-consuming task. Currently, the Moley R premium configuration costs about \$300,000.

2. Google and Levi's teamed up to create Commuter X Jacquard, a jacket that is a real **breakthrough** in tech and style. It's part of an innovative move to blend clothing with tech. This **concept** is designed especially for people who commute by bike and it's just the start, acting as a **catalyst** for more smart clothing. The idea is when you're riding a bike, you can just touch your sleeve to use your phone. This is much safer than using the phone's screen while biking. It's a fresh way to mix fashion with function, changing tunes or picking up calls by just tapping your sleeve!

3. In 2015, a Dutch bicycle company called VanMoof had a big problem. When they sent their expensive bicycles to the USA, many were damaged when they arrived. They tried everything to fix this problem: better packaging, stronger boxes, and different companies to send their bikes. But, still, the bikes got damaged. Then, they thought of a creative way to look at the problem. They asked themselves if there are any types of boxes that usually don't get damaged and **came up with** an original idea: they put a picture of a flat screen TV on every box. This trick worked! Suddenly, 80% fewer bicycles were damaged.



3. Match definitions (1-9) with the words in the table. Write the correct number in each box. If your answers are correct, the columns and rows will all add up to 15.

- 1. an idea or invention created by someone.
- 2. something that causes great change.
- 3. to think of an idea or solution.
- 4. a general idea or understanding.
- 5. a significant discovery or development.
- 6. a barrier or difficulty.
- 7. to completely change something in a very significant way.
- 8. something new and useful created for the first time.
- 9. very modern and advanced

☐ obstacle	☐ brainchild	☐ invention	=15
☐ revolutionize	☐ breakthrough	☐ come up with	=15
☐ catalyst	☐ cutting-edge	☐ concept	=15
=15	=15	=15	

4. Substitute the underlined words and phrases with their synonyms from exercise 3.

- 1. The gadget was a new creation.
 - 2. The new method transformed the industry.
 - 3. He thought of a solution overnight.
 - 4. Her original idea for the app was a hit.
 - 5. The rule was a barrier for progress.
- 6. The plan was clear and straightforward.
 - 7. They made a big discovery in the lab.
 - 8. Their equipment is highly innovative.
 - 9. The speech acted as a spark for change.

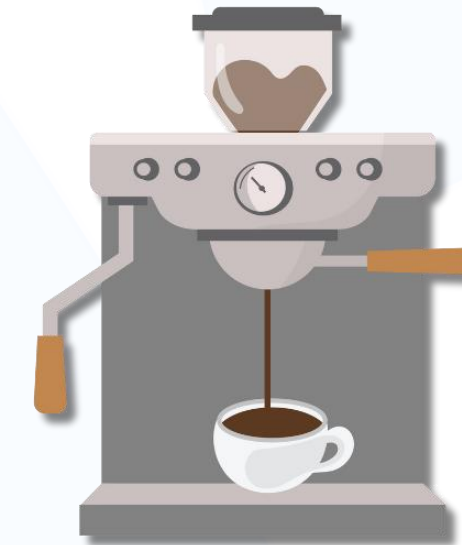
5. Work with a partner. Decide on a product you would like to innovate (choose from the list below (a-e) or use your own ideas) and discuss how it should develop. Answer the questions.

1. What was the catalyst for your product idea?
2. What is the main concept of your product?
3. How do you plan to revolutionize the market with your product?
4. What obstacles do you foresee in developing this product?
5. What breakthroughs do you hope to achieve with this product?

6. Answer questions (1-5) in exercise 5 about your company's products / services.



a) sneakers



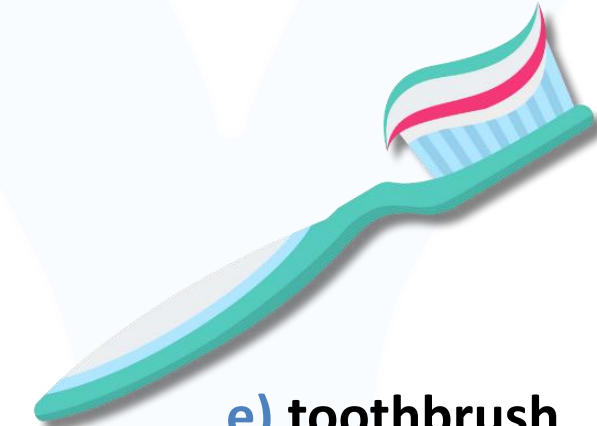
b) coffee machine



c) office chair



d) earphones



e) toothbrush

extra vocabulary

Reinvent the wheel - to waste time trying to create something that someone else has already created.

E.g. We don't need to reinvent the wheel, we just need to hire someone who already knows how to make the system work.

1. Complete the sentences below with your ideas, then discuss the answers with your teacher.

1. _____ is the most expensive city in the world.

2. _____ is the most beautiful city.

3. _____ is the country with the best education system.

4. _____ is the richest person.

5. _____ is the most popular food globally.

6. _____ is the highest mountain.

7. _____ is the most dangerous place.



2. Read the article below and answer the questions.

1. How do teachers measure students' concentration?
2. What technology is used to track students' locations?
3. How do robots contribute to the classroom environment?
4. What effect have the AI headbands had on students' grades?

Teachers at a primary school in China know exactly when someone is not focusing. They use **the most accurate** way to measure each student's level of concentration, AI-driven headbands¹. These devices are **one of the most** innovative tools for ensuring students are attentive². The data is immediately sent to the teacher's computer and parents. **The second most popular** way to analyze students' health and engagement in the classroom is by using robots³. Besides, students wear uniforms with chips that track their locations. There are even surveillance cameras that monitor how often students check their phones or yawn during classes. Teachers have noticed that students now pay attention, which results in **the highest** grades they have ever achieved⁴. However, some students feel pressured, like one fifth-grader said that his parents punish him for low attention scores.



3. Match sentences 1-4 from the text to explanations a-d in the Language point.

LANGUAGE POINT

We use:

- the + adjective + -est* or *the most / the least + adjective* to compare one thing to all the others in that group. *E.g.* _____
- the second, the third* etc. with superlatives *E.g.* _____
- one of the* with superlatives *E.g.* _____
- the present perfect after a superlative *E.g.* _____

4. Complete the sentences with the correct form of the adjectives in brackets.

1. The latest smartphone model has _____ features of any phone available. (innovative)
2. This software has _____ error rate compared to others. (low)
3. The electric car has _____ battery life on the market. (long)
4. The new robot has _____ ability to learn new tasks quickly. (remarkable)
5. The current AI system is _____ at processing natural language than any other. (efficient)
6. The laboratory's research team has made _____ discoveries in renewable energy this year. (significant)
7. This city has _____ public transport system. (advanced)
8. The latest telescope provides _____ view of the outer galaxies. (clear)

5. Work with a partner / teacher. Ask for recommendations using superlatives.

What is the?

E.g. What is the most famous place in your country?

1. romantic restaurant in your town
2. healthy snack
3. good book to read
4. funny movie to watch
5. interesting place to visit in your country
6. delicious dish to try in your country
7. good way to learn English
8. innovative device to buy

extra grammar

We form superlative adverbs in the same way as superlative adjectives, using *-est* or *most / least*.
E.g. She worked the most efficiently when the office was quiet.

6. Work with your teacher / partner. Choose an invention from the last 20 years and describe it using superlatives. Don't say what the invention is.

E.g. **A:** It's a small, powerful computer with the most convenient touchscreen for daily use. It offers the best apps for chatting, photos, and navigation. It's the most essential tool for staying connected on the go.

B: Is it a smartphone?

A: Yes!

extra grammar

Answer the question **(50-80 words)**:

How has technology improved the quality of life in the 21st century?

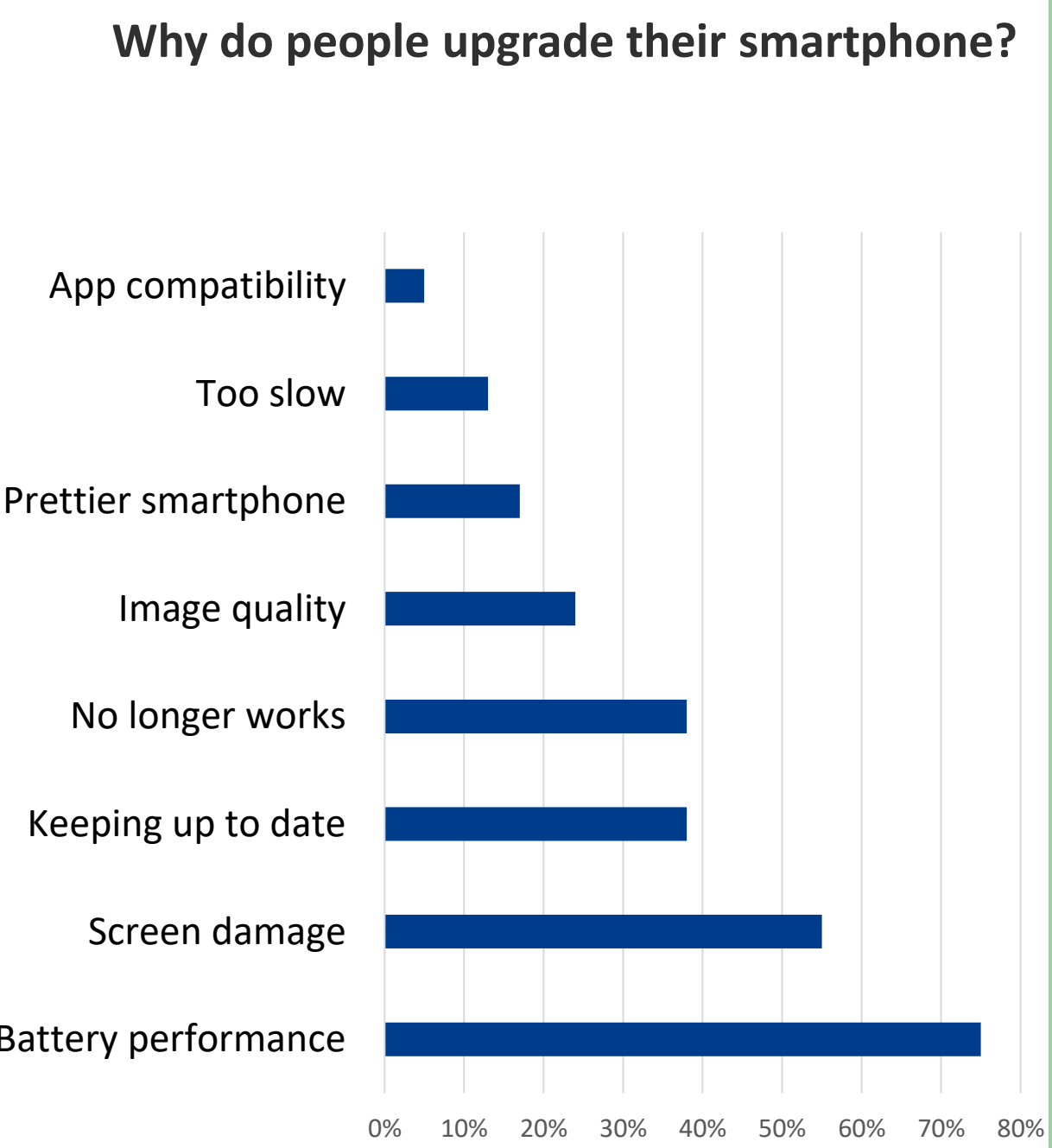
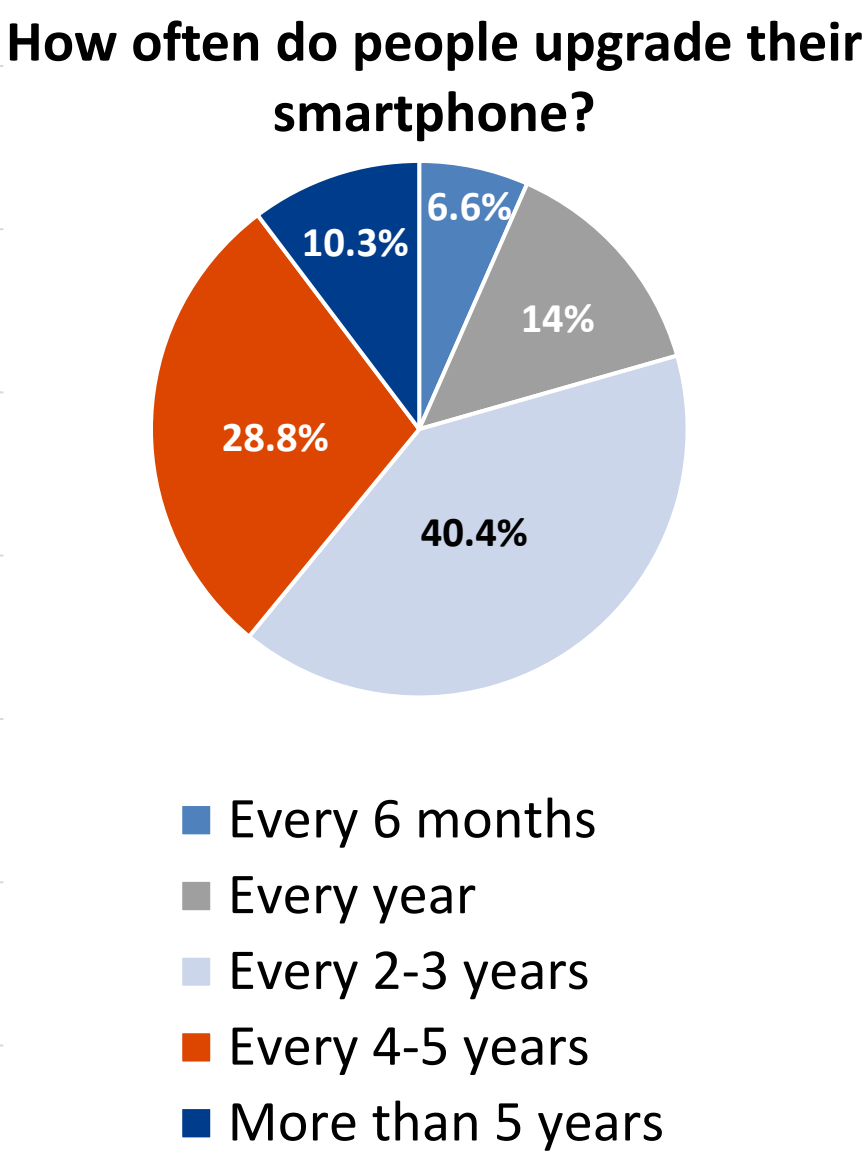
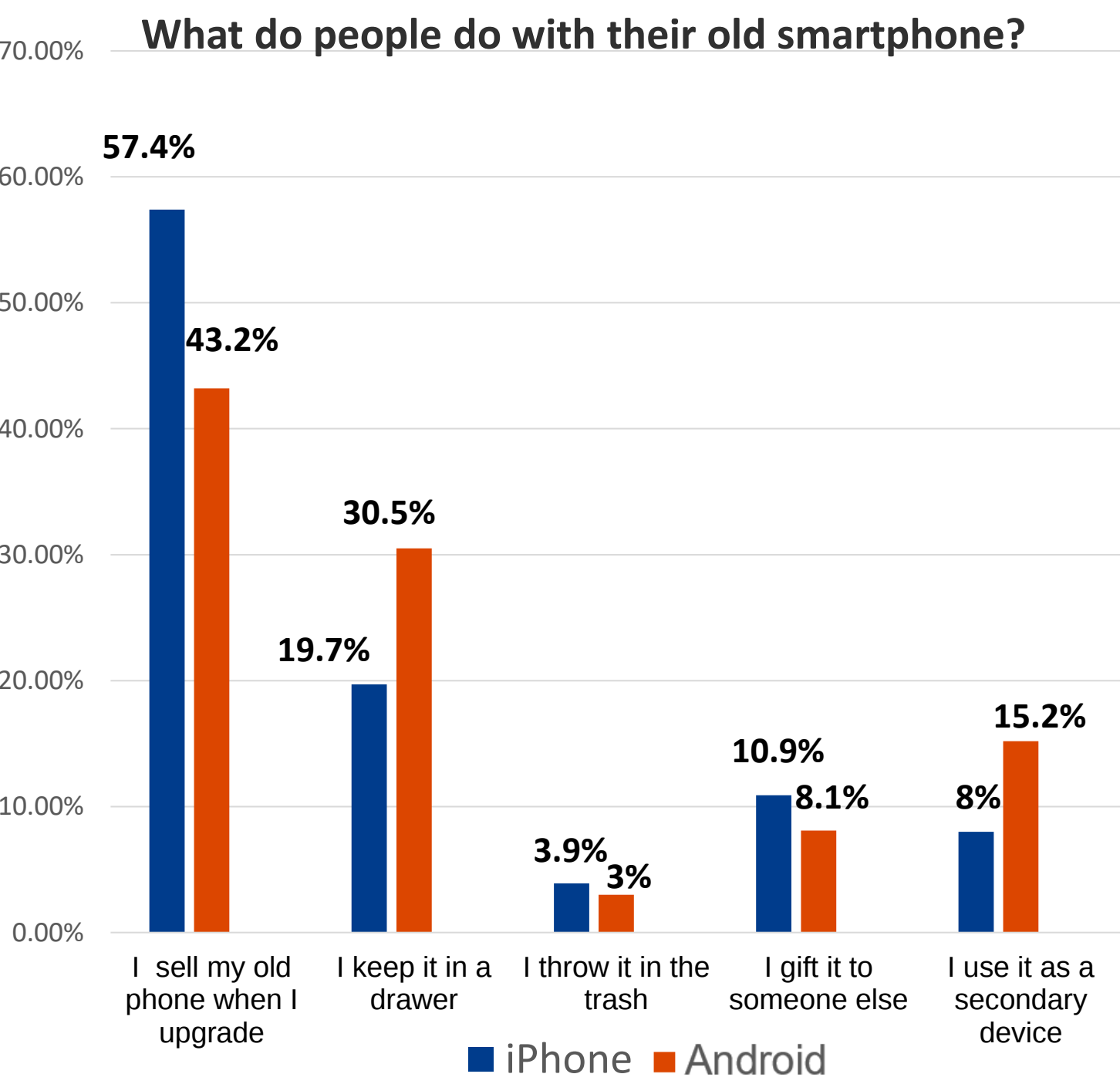
extra grammar

Many two-syllable adjectives ending in **-ly**, **-y** and the adjectives **common**, **polite**, **simple** can have either *most* or *-est*:

E.g. He is the **friendliest** (most friendly) person I've ever met.

1. Look at the charts below and discuss the information with your teacher / partner. Then answer the questions.

1. How often do you upgrade your smartphone? Why?
2. What do you do with your old smartphone?





Audio
12.2

2. Listen to the presentation about a mobile phone with replaceable parts and answer the questions.

1. What are the advantages of Fairphone phones?
2. Which parts are replaceable?



Audio
12.2

3. Listen again. Note down the words that the speaker uses to:

1. generalize _____
2. be specific _____

4. Use the words from exercise 3 to speak about the advantages and main features of Fairphone phones.



How generalize or be specific

5. Complete the text with some of the words below.

Generalizing

- as a rule
- for the most part
- generally
- generally speaking
- ordinarily

Being specific

- in particular
- particularly
- specifically
- namely

To be ahead of the game in today's cut-throat competition, companies must focus on advanced, innovative inventions. _____, businesses that invest in research and development tend to thrive. _____, this approach leads to a competitive advantage. _____, sectors like technology and healthcare benefit significantly from this strategy. _____, a company like Tesla has capitalized on this by pioneering electric vehicles and sustainable energy solutions, which has disrupted the automotive industry and established Tesla as a leader in innovation.

6. Choose one of the topics below and discuss your ideas with your partner / teacher.

- The most innovative product / service in the world / Your company's most innovative product / service.
- Advances in technology globally / Technological development in your country.
- Popular applications worldwide / Your favorite application.
- Customer service standards internationally / The level of customer service in your country.

extra vocabulary

A light bulb moment - an occasion when someone suddenly realizes or understands something they did not realize or understand before.

E.g. It was a light-bulb moment for me when I realized I could no longer go on without help.

1. Match some most common phobias with their definitions. Do you have a phobia? Are you afraid to speak in public?

1. Acrophobia
2. Aerophobia
3. Arachnophobia
4. Ophidiophobia
5. Cynophobia
6. Glossophobia



a) fear of dogs



b) fear of spiders

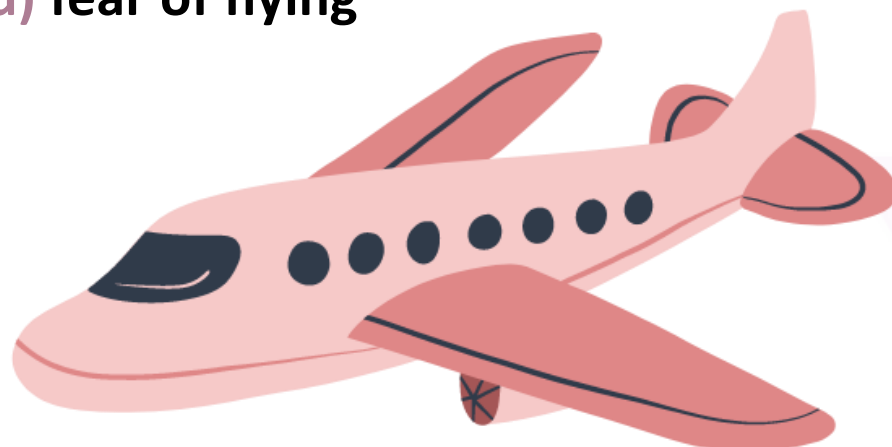


c) fear of public speaking



d) fear of snakes

d) fear of flying



d) fear of heights

2. Making a presentation in a foreign language is terrifying for many people. Put the techniques below in the correct box.



DO

- 1. Read from notes.
- 2. Say how long you will talk for.
- 3. Let the audience know when to ask questions (during or at the end of the presentation).
- 4. Apologize for your English.
- 5. Explain the structure of the presentation.
- 6. Speak as fast as possible.

DON'T





Audio
12.3

3. Listen to the presentation about a 3D food printer.
Which techniques from exercise 2 does the speaker use?

4. Listen again and complete the notes.

3D food printer

- 1. How it works _____
- 2. Types of food _____
- 3. Benefits _____



5. Match (1-6) with (a-f).

- 1. Good morning, _____
- 2. I'd like to begin _____
- 3. Feel free _____
- 4. The main reason _____
- 5. I'll take _____
- 6. The best thing _____

- a. by explaining the concept behind this device.
- b. about this is its precision and efficiency.
- c. for this technology is to revolutionize how we prepare and think about food.
- d. to ask questions throughout the presentation.
- e. questions at the end.
- f. and thanks for coming.

extra vocabulary

A step forward - an improvement or development.

E.g. No one is sure whether this plan will work, but it's a step forward.

extra vocabulary

Newness - the quality of having been recently created or having started to exist recently.

E.g. Kids lose their enthusiasm for things when the sense of newness wears off.

6. Read the expressions. Ask your teacher to clarify the meaning of any you do not understand.

Starting

- *Good morning and thanks for coming.*
- *I'm here today to ...*
- *Let's start.*
- *My name's ... and I'm going to tell you about ...*
- *I'd like to begin by (+ verb + -ing)*

Previewing

- *First, I'll ...*
- *Then, we'll ...*
- *And finally ...*
- *Feel free to ask questions.*
- *I'll take questions at the end.*

Adding emphasis

- *The main reason for this is ...*
- *The best thing about this is ...*
- *We think it's a good idea because ...*

Referring to visuals

- *Let's look at this ...*
- *As you can see, ...*
- *You'll notice that ...*

Closing

- *That's everything I want to say.*
- *That brings me to the end of my presentation.*
- *Thanks for listening.*
- *Are there any (more) questions?*

7. Read about the AI pin, then use the Key Expressions to make a presentation about it.

AI pin is a wearable gadget activated by voice command. It can take photos and send texts, uses a laser to project a visual interface onto a person's palm, and comes with a virtual assistant. Other features include messaging and calling; a "catch me up" feature that can summarize your email inbox; holding up food to the camera to get nutritional information; and real-time translation.



Starting

- *Good morning and thanks for coming.*
- *I'm here today to ...*
- *Let's start.*
- *My name's ... and I'm going to tell you about ...*
- *I'd like to begin by (+ verb + -ing)*

Previewing

- *First, I'll ...*
- *Then, we'll ...*
- *And finally ...*
- *Feel free to ask questions.*
- *I'll take questions at the end.*

Adding emphasis

- *The main reason for this is ...*
- *The best thing about this is ...*
- *We think it's a good idea because ...*

Referring to visuals

- *Let's look at this ...*
- *As you can see, ...*
- *You'll notice that ...*

Closing

- *That's everything I want to say.*
- *That brings me to the end of my presentation.*
- *Thanks for listening.*
- *Are there any (more) questions?*

8. Make a presentation about one of the things below.



1. Amazon Astro

Loving to cook is a joy, and even passionate cooks could benefit from a helping hand. Amazon Astro offers just that. This robot acts as a mobile smart home hub, coordinating other smart devices upon instruction. It can activate the oven or adjust the lighting in the dining room. Moreover, Astro includes speakers and a display screen that can be used for following recipes or checking who is at the door, adding convenience to kitchen tasks.

2. Your company's product or service

extra vocabulary

Answer the question **(50-80 words)**:

Will machines become more intelligent than humans one day? When?

extra vocabulary

Game-changer - the quality of having been recently created or having started to exist recently.

E.g. Many new products are "me-too" variations rather than game-changing innovations.

1. Read the opinions below. Which do you agree with? Why?

X 1. Tech is great! However, it has made us look at screens instead of being in the moment and bonding in meaningful ways with our friends, family, coworkers, and even strangers.

X 2. My friend and I were stuck in a snow ditch, and her phone had gotten frozen, so it was unable to make a call.
 Friend- "Hey, can I use your phone to call my mom a sec?"
 Me- "Yeah sure, what's her number?"
 Friend- "..."
 Me- "Do you *know* her number?"
 Friend- "I had it in my phone"

X 3. We are incredibly dependent on the technology. Without it, our society would simply collapse: Food wouldn't be delivered to stores, the power-grid would malfunction, the water tap wouldn't work, the financial system would essentially be destroyed...

X 4. Smartphones are convenient and easy. It requires minimal effort to stay in touch with people and to be emotionally invested in any conversation. Smartphones also gives that sense of security - you can never get lost because Google Maps is there at your fingertips, for example.



Talking point

2. Read the parts of the text and put them in the correct order.

1. ____
2. ____
3. ____
4. ____
5. ____

3. Answer the questions.

1. What is "nomophobia"?
2. What happens when we can't use our phones?
3. How can we use our phones less?

Are we becoming overdependent on technology?

a. But being glued to our phones is more than just handy; it changes how we do everyday things and what skills we use. For example, a lot of us don't remember phone numbers or how to use a map anymore because it's so easy to just save the information on our phones and use GPS.

b. When someone's phone suddenly stopped working, it really showed how much we need our phones for things like checking the time, getting directions, and keeping in touch. Not having these functions can really turn things upside down and make us feel lost.

c. Even though technology has lots of benefits, we need to pay attention to the downsides of depending on it too much. Using phones all the time can make us stressed and feel like we always need to be connected. To deal with this, experts recommend a few things:

d. Don't text and drive. It's not safe for you or others. Use your phone only before or after driving.

- Don't use your phone in bed. Try to sleep without looking at your phone, and switch it off at night.
- Turn off your phone when you are with friends. Enjoy the time with them, not your phone.
- Leave your phone at home sometimes. Begin with a short time like during dinner, then try a full day without it.

Doing these things can help us rely less on our phones and lead a healthier life with more balance.

e. Smartphones are now a big part of our lives everywhere, helping us to talk to others, find our way, and do lots more. Almost everyone, no matter who they are, uses their phone a lot every day. Relying too much on these devices can cause a problem called "nomophobia," the fear of not having your phone, which makes many people anxious.

4. Read about the AI waste-sorting technology. How useful is it? Can you live without it?

Travelers at SEA Airport and Bell Harbor Conference Center should watch out for Oscar. This new AI helps you sort your rubbish into compost, recycle, or trash. Oscar fits on regular bins. You just show your rubbish to a camera on the machine. Then, Oscar tells you the right bin to throw it in.



extra vocabulary

Groundbreaking - If something is groundbreaking, it is very new and a big change from other things of its type.
E.g. His latest movie is interesting, but not groundbreaking.

5. If you were to live without technology for a year, which devices would be easy for you to give up? Which wouldn't you be able to live without? Discuss with it your teacher / partner.

1. Complete the sentences with the correct form of the words in brackets.

1. The _____ electric car can travel 500 miles on a single charge (**REVOLUTION**).
2. The latest _____ in robotics has made machines more like humans (**ADVANCE**).
3. The book describes a _____ world where people live on Mars (**FUTURE**).
4. The _____ software allows you to learn a language in just weeks (**INNOVATE**).
5. Her _____ shines through in her unique blend of jazz and hip-hop music (**CREATE**).
6. The artist's _____ paintings are famous for their unusual use of light and shadow (**ORIGIN**).

2. Choose the correct option.

1. The main _____ in learning a new language is the fear of making mistakes.
a) revolution b) invention c) obstacle
2. The scientist hoped his new theory would _____ the way we think about energy.
a) invent b) revolutionize c) cutting-edge
3. The _____ of the smartphone has changed how we communicate and access information.
a) obstacle b) brainchild c) invention
4. This lab is known for its _____ research in genetic engineering.
a) cutting-edge b) concept c) revolutionize

3. Complete the sentences with the words below (a-e).

- | | |
|--------------------|---|
| a. concept | 1. The _____ of the young inventor, a solar-powered backpack, won the science fair. |
| b. to come up with | 2. A new study acted as a _____ for changes in the national diet guidelines. |
| c. brainchild | 3. The team needs _____ a better strategy to win the match. |
| d. catalyst | 4. The _____ of a foldable car is aimed at solving city parking problems. |
| e. breakthrough | 5. The _____ in battery technology has led to phones lasting a week without charging. |

4. Complete the sentences with the superlative form of the adjectives below.

- | | |
|--------------|----------|
| • profitable | • large |
| • expensive | • modern |
| • friendly | • long |
-
1. The Nile River is _____ river in the world.
 2. The latest smartphone model is _____ one available right now.
 3. Of all her business ventures, her tech startup has been _____.
 4. The blue whale is the largest animal on the planet.
 5. Among all the paintings auctioned today, the Picasso was _____.
 6. Out of all my colleagues, Sarah is _____ person I know.

5. Put the sentences in order.

- a. — 1. First, I'll tell you about how it helps keep track of things like keys and wallets.
- b. — 2. The main reason for this is to show you how useful the Smart Tracker can be in everyday life.
- c. — 3. Good morning and thanks for coming.
- d. — 4. Then, we'll look at how easy it is to use the Smart Tracker.
- e. — 5. That's everything I want to say. Thank you for listening!
- f. — 6. As you can see, the Smart Tracker is a simple and helpful tool.
- g. — 7. I'd like to begin by explaining what the Smart Tracker does.
- h. — 8. And finally, I'll share some stories from happy customers.

6. Complete the text with the words below.

- generally speaking
- specifically
- for the most part
- particularly

The Moley Robotics Kitchen is an advanced automation breakthrough that, _____, transforms everyday cooking into a robotic art form. _____, it's designed to assist in food preparation, mimicking the techniques of acclaimed chefs. _____, it excels at crafting elaborate meals with precision. _____, it features robotic arms that can manipulate utensils and ingredients, handling tasks from chopping to stirring. These arms are programmed to replicate human movements, ensuring that each recipe is executed perfectly. For those who love gourmet food but lack the time to cook, Moley offers a futuristic solution, blending culinary excellence with technological innovation in a seamless and interactive kitchen experience.