# Participants registration

* Re	quired	
1.	Group Code *	
2.	Participant Code * Please don't change this code	
	Personal Information	
3.	Full Name *	

4.	Class * Please choose which class you are in.
	Mark only one oval.
	7A
	7B
	7E
	7F
	7G
	7H
	8A
	8B
	8C
	8D
	8E
	8F
	8G
	8H
5.	Email *
5.	Mobile Number
7.	Birthday *

	Which of these describes your gender?	
	Mark only one oval.	
	Воу	
	Girl	
	Other	
9.	Have you ever played with a robot be	fore?
	Mark only one oval.	
	No	
	Yes	
	Languages	Here we ask a bit about the languages that you know.
	Languages	
10.	Choose your native languages (You	ur mother tongue / modersmål ) *
	,	ents is not Swedish and you know their language as well.
	Check all that apply.	
	Swedish	
	Other:	
11.	Do you speak any other language?	*
	, , , , ,	je, please ask Alireza to write it here for you.

8. Gender

12.	Do you remember what was your grade in English in the end of 6th grade? *  No one will ever know your grade. It is just to make average over all of the people who do this game.	
	Mark only one oval.	
	A B	
	C	
	○ E	
	F I prefer not to say	
	Which ones do you know?	Pick yes if you are sure you know the meaning of the word.

### 13. Do you know this? \*

For the words that you know their meaning choose 'Yes' and for the ones you don't know their meaning choose 'No'. (Note that it doesn't matter how many you know or don't know already.)

Mark only one oval per row.

Yes	No
	Yes

Cave	
Awl	
Desert	
Midwife	
Kindling	
Pilot	
Hatch	
Doctor	
Copse	

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Google Forms

# Immediate PoT - Images

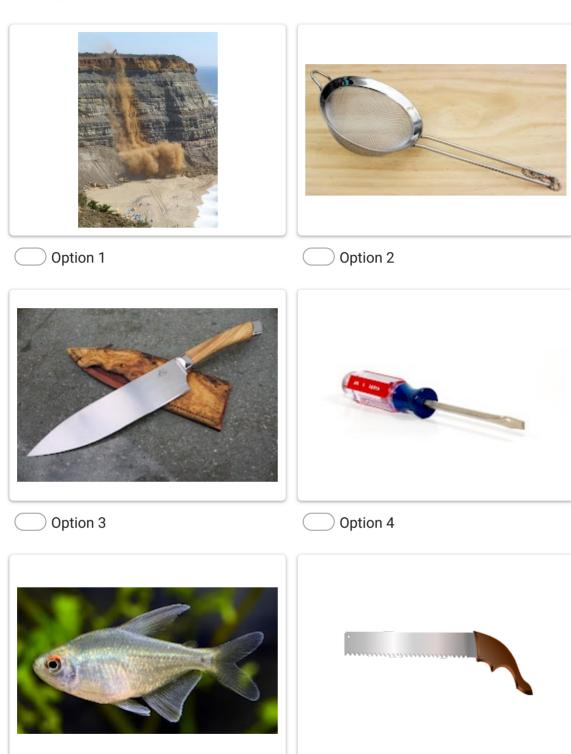
* Re	quired
1.	Participant's Code *
2.	Name *

Images and Words Among the set of images for each word, choose the image that shows its word. (Ask Alireza if you have any questions).

### 3. Knife \*

# Mark only one oval.

option 5



# 4. Compass \*

Mark only one oval.





Option 1

Option 2





Option 3

Option 4

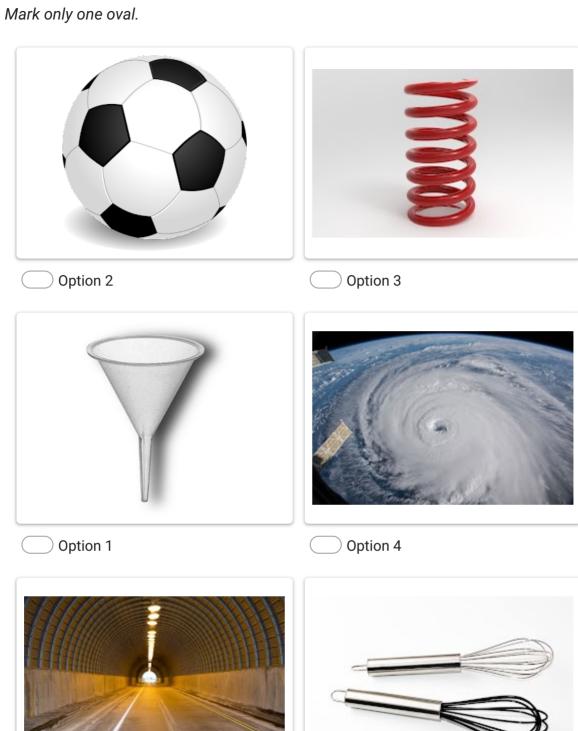




option 6

#### 5. Funnel \*

Option 5



#### 6. Altimeter \*

Mark only one oval.





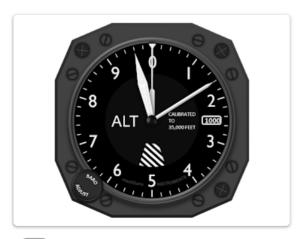
Option 1



Option 2



Option 3



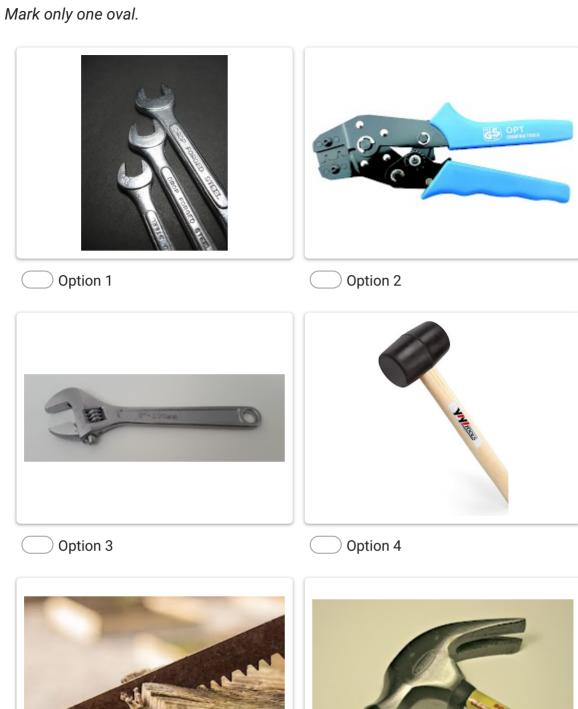
Option 4



option 5

#### 7. Mallet \*

Option 5



#### 8. Tent \*

Mark only one oval.





Option 1







Option 3

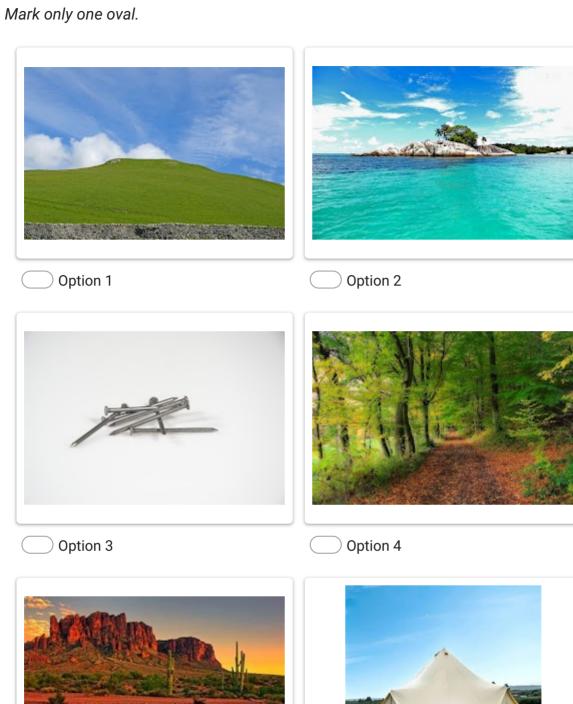
Option 4





Option 5

#### 9. Forest \*

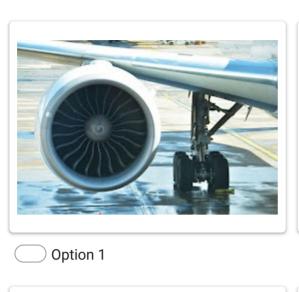


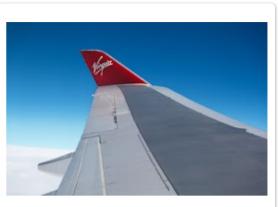




# 10. Fuselage \*

Mark only one oval.





Option 2





Option 3

Option 4



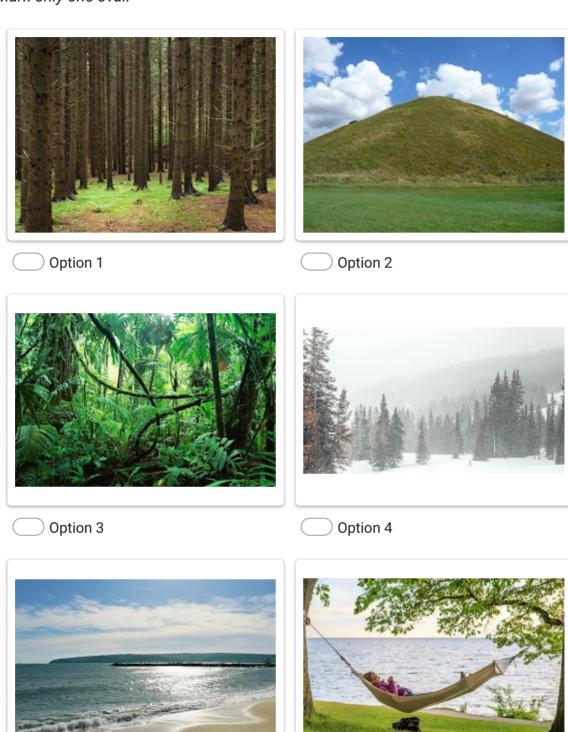


option 5

### 11. Hummock \*

Mark only one oval.

option 5



# 12. Escarpment \*

Mark only one oval.





Option 1







Option 3

Option 4

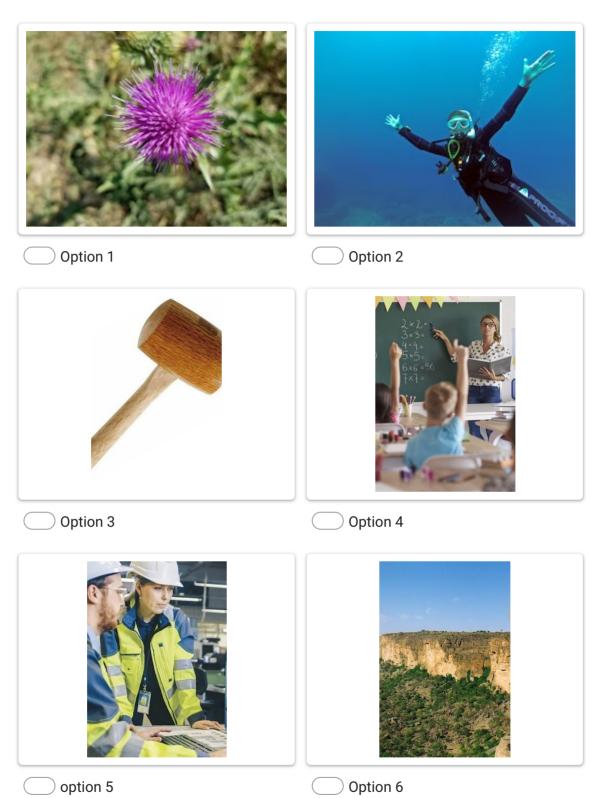




Option 6

### 13. Teacher \*

Mark only one oval.



# 14. Engineer \*

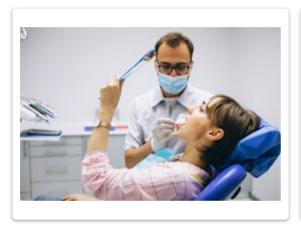
Mark only one oval.





Option 1

Option 2





Option 3

Option 4





Option 6

# 15. Meteorologist \*

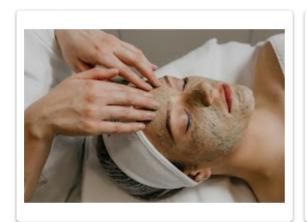
Mark only one oval.





Option 1

\_\_\_\_ medicine





Option 3

Option 4





Option 6

# 16. Spokesperson \*

Mark only one oval.





Option 1

Option 2





Option 3

Option 4

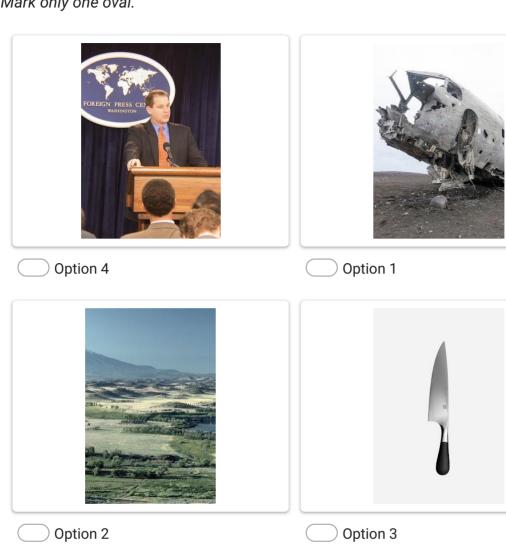


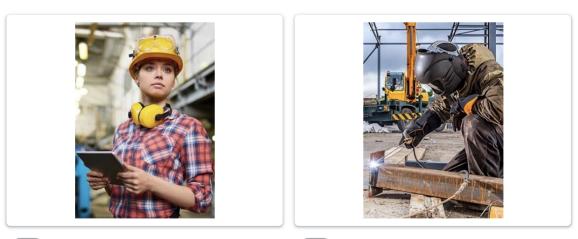


Option 6

#### 17. Welder \*

# Mark only one oval.





Option 6 option 5

### 18. Debris \*

Mark only one oval.

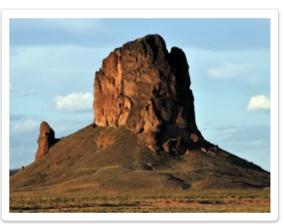




Option 1

Option 2





Option 3

Option 4

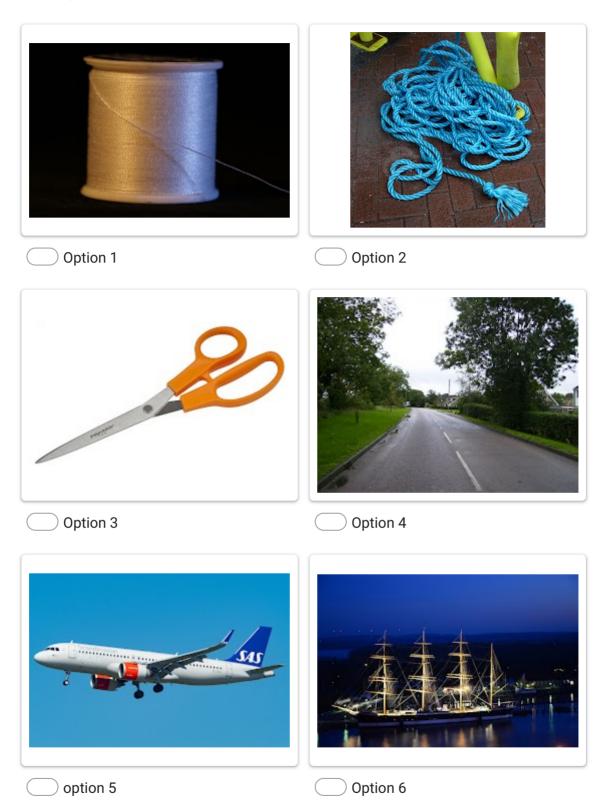




Option 6

# 19. Rope \*

Mark only one oval.



#### 20. Hatchet \*

# Mark only one oval.





Option 1

Option 2





Option 3

Option 4



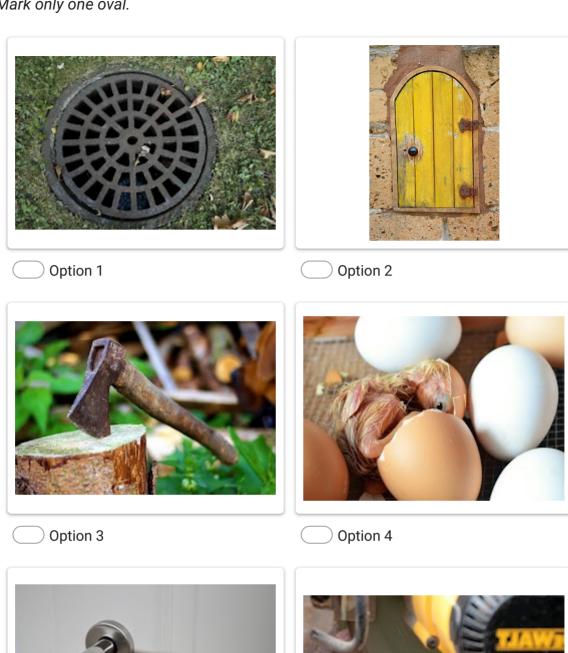


option 5

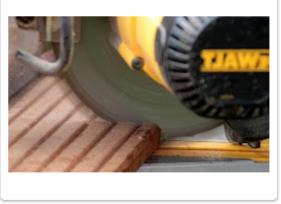
Option 6

#### 21. Handle \*

# Mark only one oval.







option 5 Option 6

# 22. Cottage \*

Mark only one oval.





Option 1

Option 2





Option 3

Option 4





Option 6

#### 23. Crevice \*

# Mark only one oval.





Option 1

Option 2





Option 3

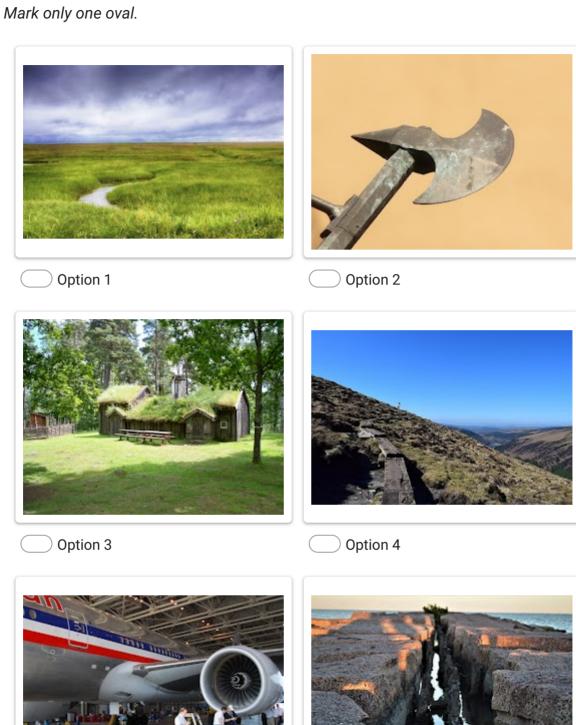
Option 4





Option 6

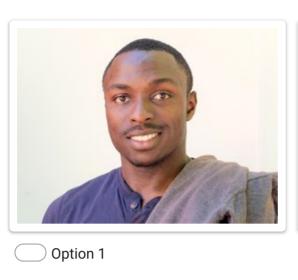
#### 24. Meadow \*



Option 6

# 25. Clergyman \*

Mark only one oval.





Option 2





Option 3

Option 4

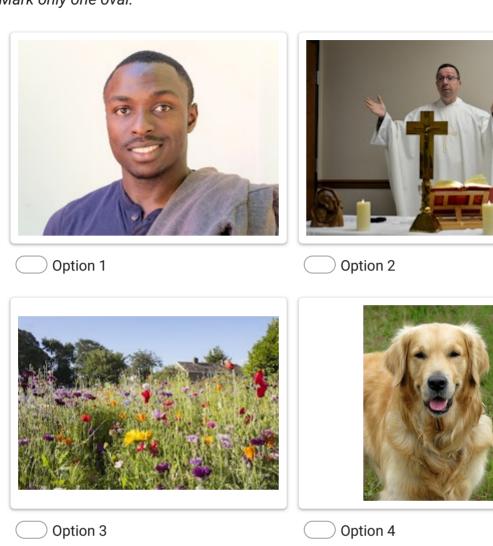




option 5

### 26. Preist \*

# Mark only one oval.



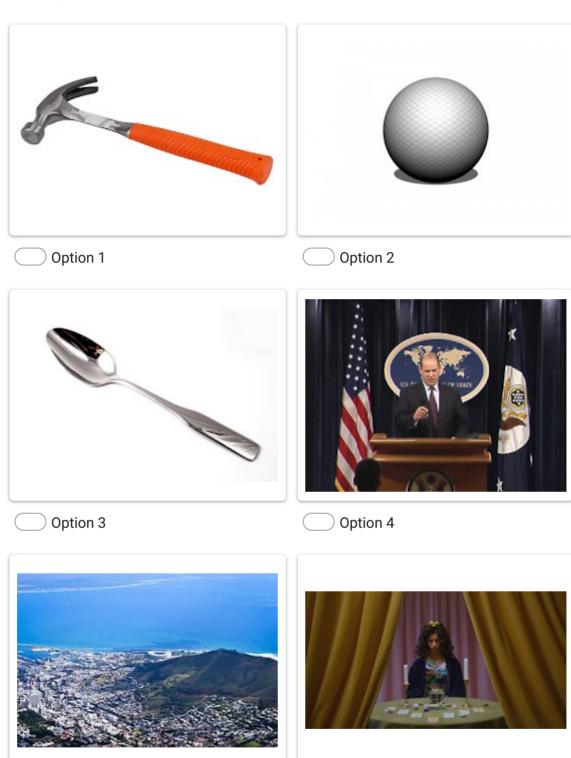


option 5 Option 6

# 27. Soothsayer \*

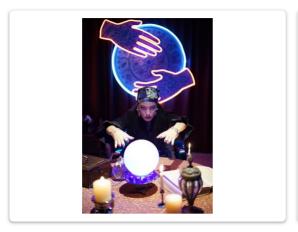
# Mark only one oval.

option 5



### 28. Fortune Teller \*

Mark only one oval.





Option 1

Option 2





Option 3

Option 4





Option 6

#### 29. Maul \*

Mark only one oval.

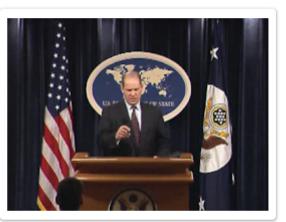




Option 1

Option 2

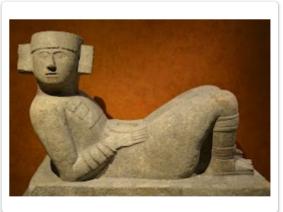




Option 3

Option 4





Option 6

# 30. Helicopter \*

Mark only one oval.

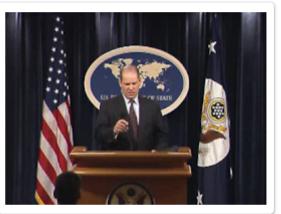




Option 1

Option 2





Option 3

Option 4



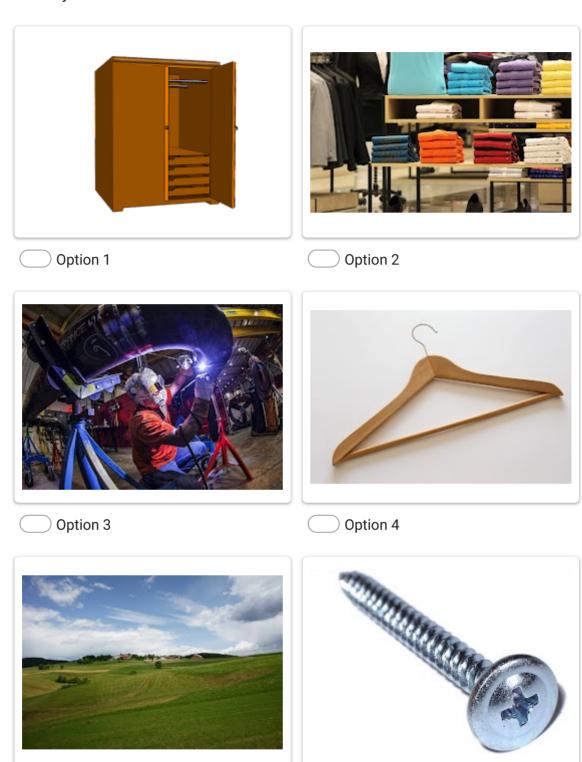


Option 6

### 31. Hanger \*

# Mark only one oval.

option 5



# Google Forms

# CG21 PT - Images

#### \* Required

participant code \*

You received the code in your email. It looks like this: "P000"

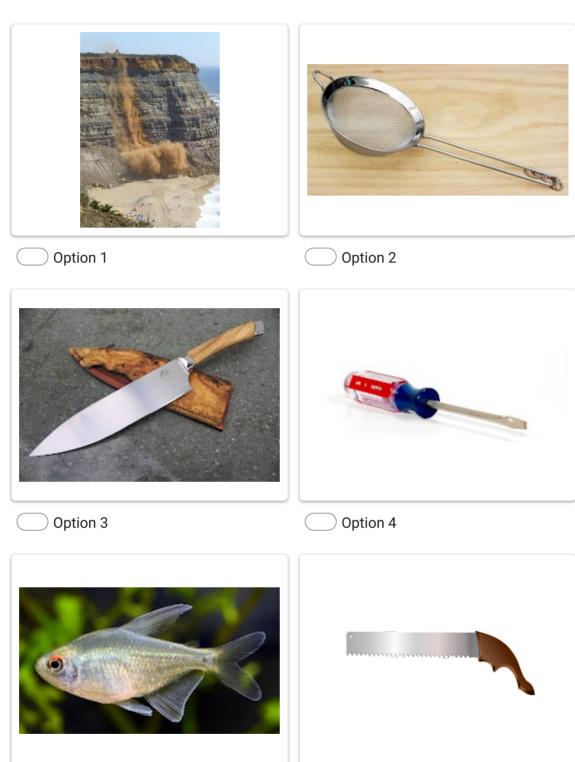
2. name \*

Choose the Images Among the set of images for each word, choose the image that shows its word. (Ask Alireza if you have any questions).

## 3. Knife \*

Mark only one oval.

option 5



## 4. Compass \*

Mark only one oval.





Option 1



Option 2



Option 3



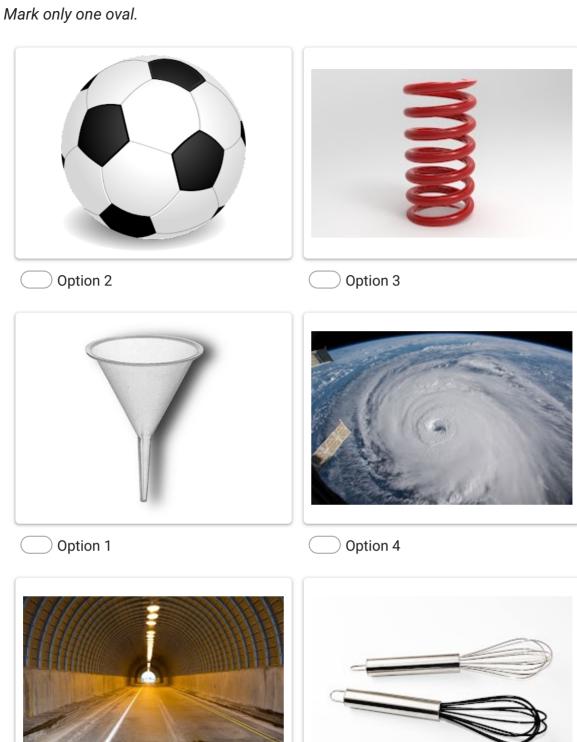
Option 4



option 5

#### Funnel \* 5.

Option 5



#### 6. Altimeter \*

Mark only one oval.





Option 1

Option 2





Option 3

Option 4

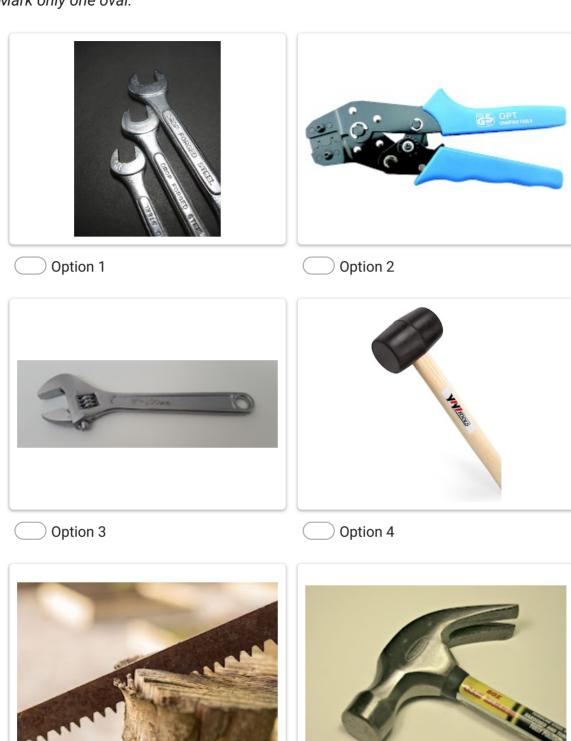




Option 6

## 7. Mallet \*

Mark only one oval.



Option 6

## 8. Tent \*

Mark only one oval.





Option 1

Option 2





Option 3

Option 4

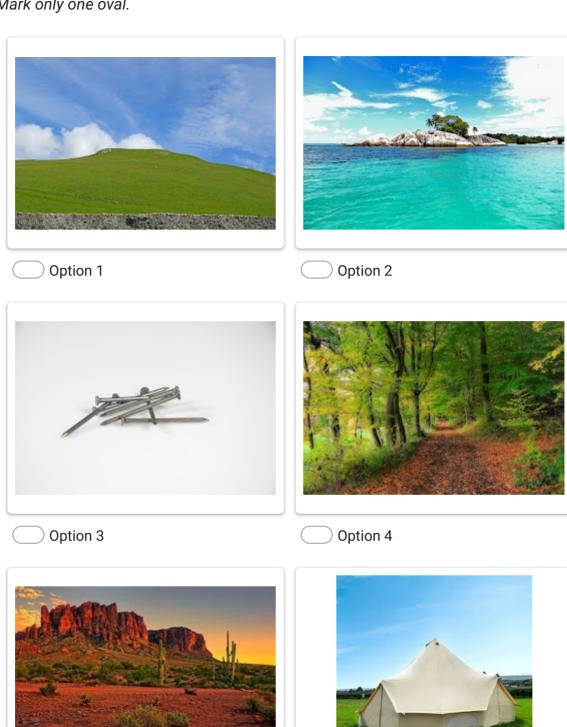




Option 6

#### 9. Forest \*

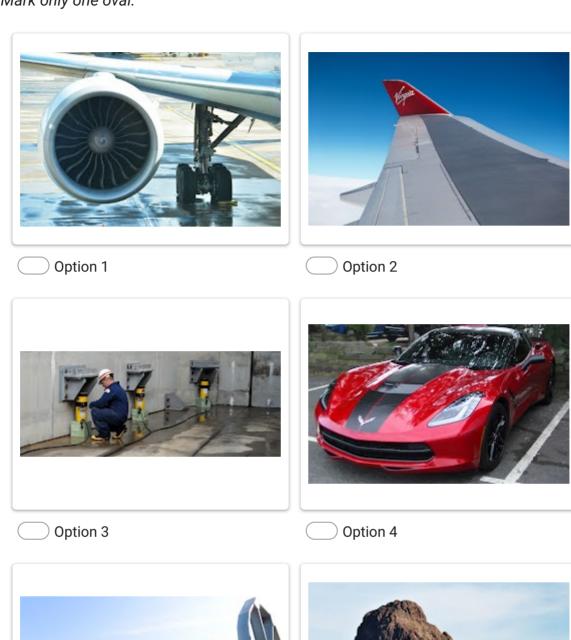
Mark only one oval.



Option 6

## 10. Fuselage \*

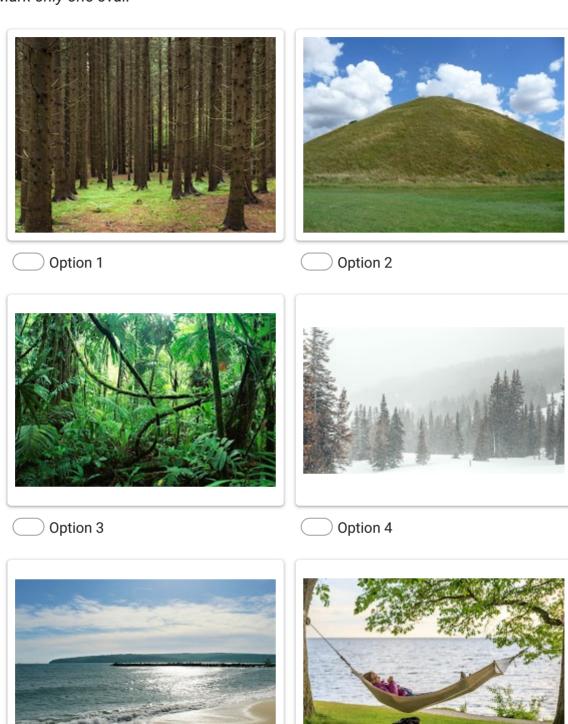
Mark only one oval.





## 11. Hummock \*

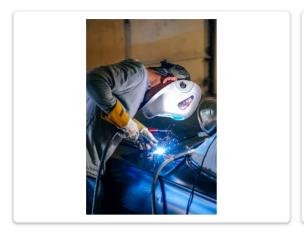
Mark only one oval.



Option 6

## 12. Escarpment \*

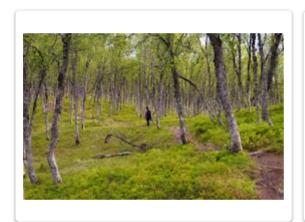
Mark only one oval.





Option 1

Option 2





Option 3

Option 4

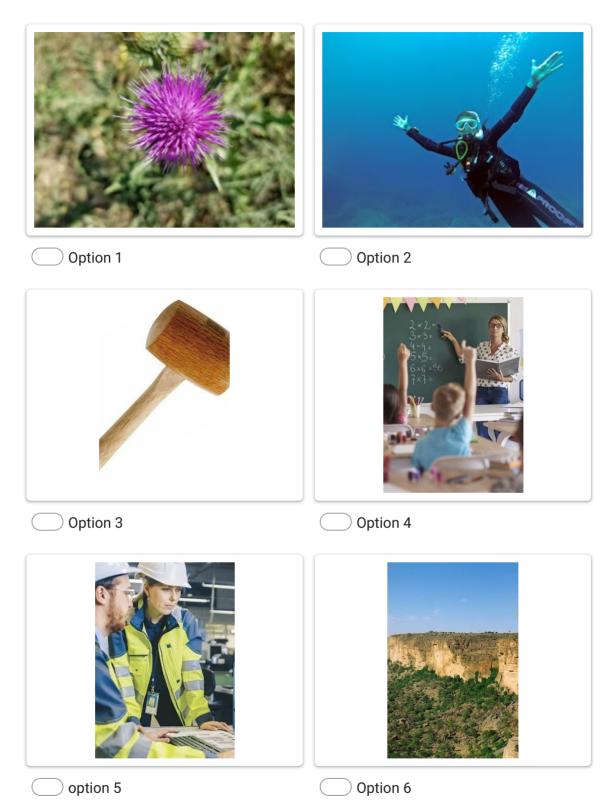




Option 6

## 13. Teacher \*

Mark only one oval.



## 14. Engineer \*

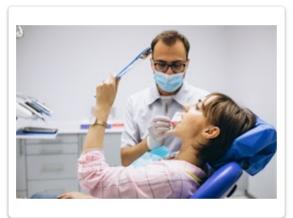
Mark only one oval.





Option 1

Option 2





Option 3

Option 4





option 5

## 15. Meteorologist \*

Mark only one oval.





Option 1

\_\_\_\_ medicine





Option 3

Option 4





Option 6

## 16. Spokesperson \*

Mark only one oval.





Option 1

Option 2





Option 3

Option 4



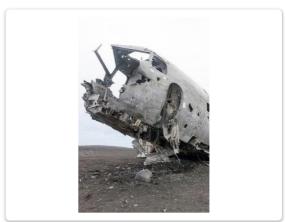


Option 6

## 17. Welder \*

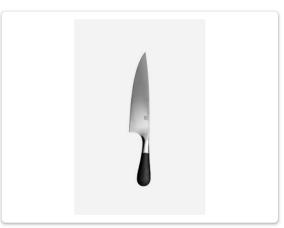
Mark only one oval.







Option 1



Option 2



Option 3



Option 5

## 18. Debris \*

Mark only one oval.

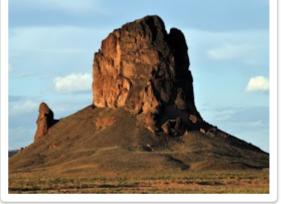




Option 1

Option 2





Option 3

Option 4

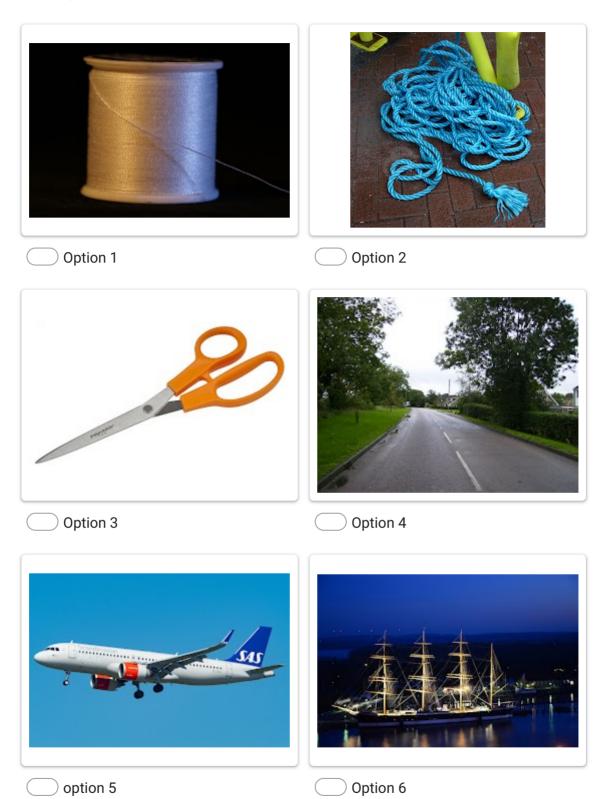




option 5

## 19. Rope \*

Mark only one oval.



## 20. Hatchet \*

Mark only one oval.





Option 1

Option 2





Option 3

Option 4



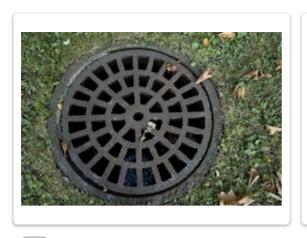


option 5

Option 6

## 21. Handle \*

Mark only one oval.





Option 1

Option 2





Option 3

Option 4





Option 6

## 22. Cottage \*

Mark only one oval.





Option 1

Option 2





Option 3

Option 4





Option 6

## 23. Crevice \*

## Mark only one oval.

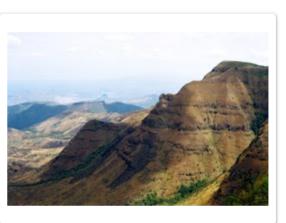




Option 1

Option 2





Option 3

Option 4

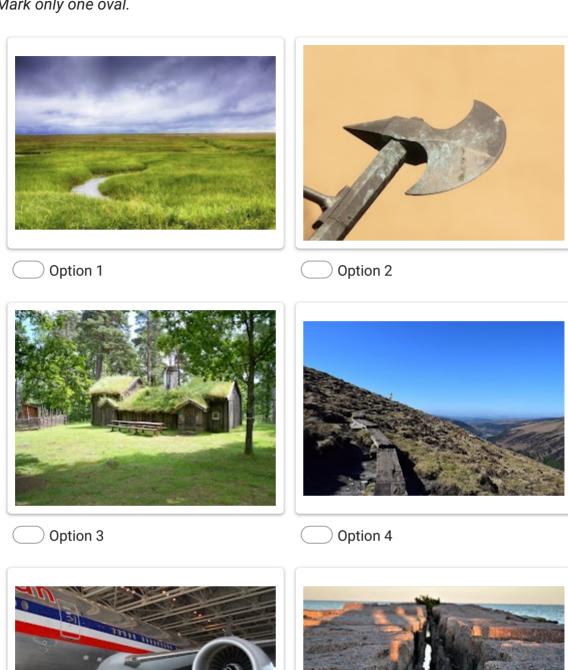




Option 6

#### 24. Meadow \*

Mark only one oval.



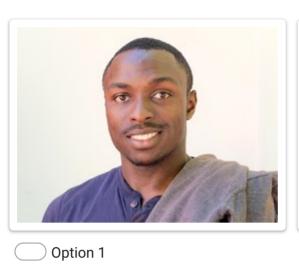




option 5 Option 6

## 25. Clergyman \*

Mark only one oval.





Option 2





Option 3

Option 4

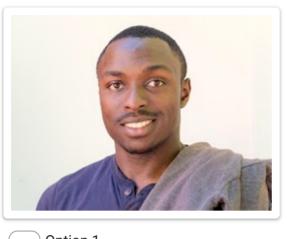




option 5

#### 26. Preist \*

Mark only one oval.

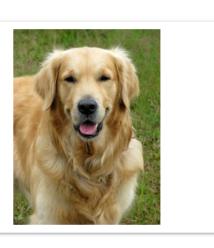




Option 1



Option 2



Option 3



Option 4



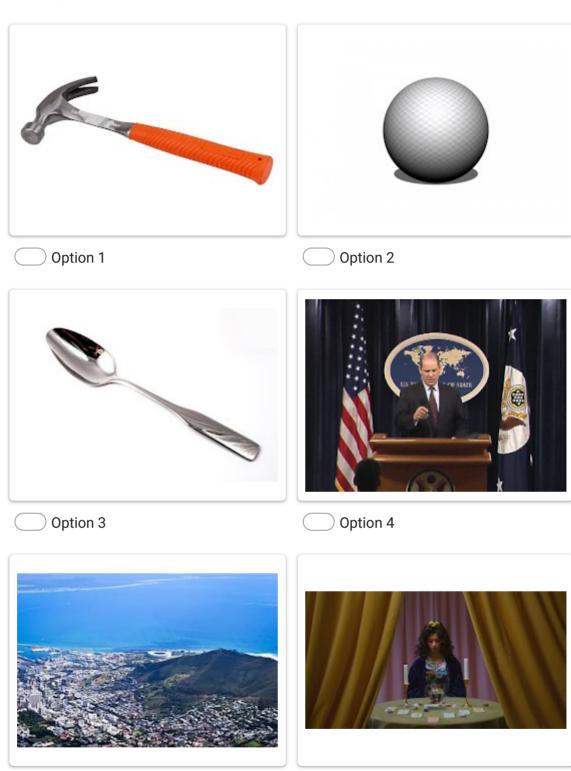
option 5

Option 6

## 27. Soothsayer \*

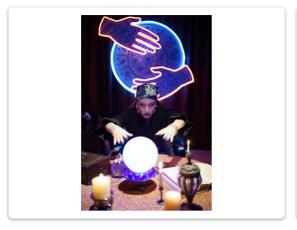
Mark only one oval.

option 5



## 28. Fortune Teller \*

Mark only one oval.





Option 1

Option 2





Option 3

Option 4





Option 6

## 29. Maul \*

Mark only one oval.

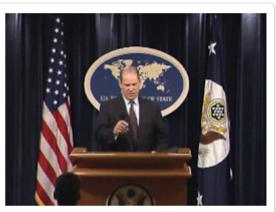




Option 1



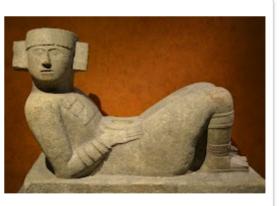
Option 2



Option 3



Option 4



Option 5

## 30. Helicopter \*

Mark only one oval.

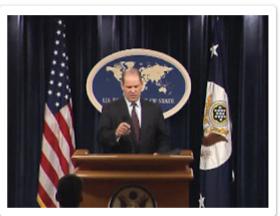




Option 1







Option 3

Option 4



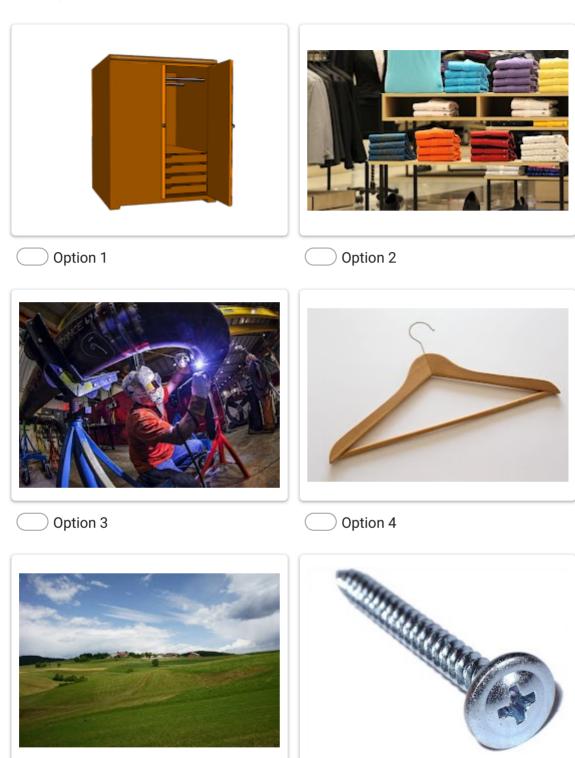


Option 6

## 31. Hanger \*

Mark only one oval.

option 5



# Google Forms



Please read everything carefully.

#### \* Required

#### 1. Participant's Code \*

You received your code by email. Here just put the number code that you received. It should look like this: `P92`

#### 2. Name \*

Just the first name.

Fill in the form Please fill in the gaps with the words you have seen during the game if they fit, or from your own knowledge.

#### Use the words you saw during the game

For some of the gaps you need to use the words you saw during the experiment. But some others are not related and you need to use the words that you know from before.

#### Don't worry

It is not a school test. Just try to remember what you learned and write it. If nothing comes to your mind for some of the gaps just put a question mark: ?

#### Spelling doesn't matter

The spelling does not matter. If you just remember how the word sounded like, that is enough. For example if you don't remember how to write "Mountain" but you remember how is the word, just write: "Montan" This is still fine.

#### Don't get help

Please fill the form all by yourself and do not ask anyone for help. Do not use internet or dictionary to find our about the answers because there is no grading. There is no winning or losing in the form. So do it alone and make sure you submit it in the end.

Email to a Friend Below is an email a friend of you is writing for your other common friend. But he always forgets some words. Please help him remember what those words were that he needs and cannot remember.

esterday I was relaxing at home and cutti	ng my apple with a/an in front of the TV. *
There was a news channel on and the week. There were snow storms coming up.	was reporting the weather forecast for the next *
Then there was some news about a school's car accident.	who heroically saved one of his students from a *
You should be careful while crossing the $\_$	The cars sometimes could be really careless. *
government position about global warming	the United Nations was representing Sweden's  He was reading a letter from the king of Sweden. That ole or a government officially and gives speeches.
just turned off the TV because I do not tro	ust the politicians when they make that later *

Anyways, I was planning to go camping this very next week. I have a one person sized which 'is always my small temporary shelter in the mountains during the nights. I set it up and put my sleeping bag in it as well.	<b>t</b>
I have heard of a new that I didn't know before. They say it is very high and very sharp. A great natural wall with solid rocks. Great for climbing and camping above. You will see a great panorama above this sudden geological elevation.	k
They say after you climb there, you will see a very beautiful and green with thousands of trees and small animals like squirrels and rabbits.	k
I just need to take my spacious and put my stuff in it for the trip. *	
I surely need to take a/an with me to measure height. I really need to know how high I climb the cliffs, because I might get some breathing problems up there.	*
Just imagine, finding some and making a fire out of it and then chilling around it during the night in the nature, while having a warm tea.	k
Yesterday I bought an orange flavored soda which I love. I need to carefully pour my soda into the camping bottle I have with a/an so that I won't lose any drop of my precious drink.	k
	sleeping bag in it as well.  I have heard of a new that I didn't know before. They say it is very high and very sharp. A great natural wall with solid rocks. Great for climbing and camping above. You will see a great panorama above this sudden geological elevation.  They say after you climb there, you will see a very beautiful and green with thousands of trees and small animals like squirrels and rabbits.  I just need to take my spacious and put my stuff in it for the trip. *  I surely need to take a/an with me to measure height. I really need to know how high I climb the cliffs, because I might get some breathing problems up there.  Just imagine, finding some and making a fire out of it and then chilling around it during the night in the nature, while having a warm tea.  Yesterday I bought an orange flavored soda which I love. I need to carefully pour my soda into the

16.	I have some cool climbing equipment as well. The most important is a long which I hang * my clips from it while climbing so that I'm safe in case I fall. I can also pull my friends up with that.	
	Me and Elsa  I am writing a blog post about myself. Please help me remember these words.	
17.	I have studied at the university to solve practical problems with my scientific knowledge. So you could say that I am a/an That is why I like to take my tools with me to build up things.	*
18.	My favourite tool is a/an which is very handy and can stabilise any nail or crash any rock. I've gotten it from my dad. A perfect rubbery hammer to do whatever you want with it.	*
19.	I work in a chemical factory and there was an explosion last week. Everyone is safe. But in the that remained after the explosion they've found some weird chemicals. No one knew where did that come from.	*
20.	My very dear friend Elsa also works there. She is /an and can attach and join the metals in the strongest way possible. She is very good at her job. We usually build many cool devices together.	*
21.	Last month we wanted to visit an airline museum. There was a statute of a/an who landed a passenger airplane which had a gear problem. He could eventually save 254 people.	*

•		•	of an airplane which he seats and made o		The
•	h a bit of height f		of nowhere. The onl d. It is some type of		
Other than that it	·was all a green _	full of o	grass and happy bee	s. <b>*</b>	
It was all good unt	il the weather bed	came rainy and	there were lots of o	gray in	the sky. *
After the rain the	re was a/an	which is who	en ice drops from th	ne sky. *	
	•	•	we used our ok it because our ph	•	

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Google Forms

## (B) PoT Gaps

Please read everything carefully.

#### \* Required

### 1. Participant's Code \*

You received your code by email. Here just put the number code that you received. It should look like this: `P000`

#### 2. Name \*

Just the first name.

Fill in the form Please fill in the gaps with the words you have seen during the game if they fit, or from your own knowledge.

#### Use the words you saw during the game

For some of the gaps you need to use the words you saw during the experiment. But some others are not related and you need to use the words that you know from before.

## Don't worry

It is not a school test. Just try to remember what you learned and write it. If nothing comes to your mind for some of the gaps just put a question mark: ?

#### Spelling doesn't matter

The spelling does not matter. If you just remember how the word sounded like, that is enough. For example if you don't remember how to write "Mountain" but you remember how is the word, just write: "Montan" This is still fine.

#### Don't get help

Please fill the form all by yourself and do not ask anyone for help. Do not use internet or dictionary to find our about the answers because there is no grading. There is no winning or losing in the form. So do it alone and make sure you submit it in the end.

The last trip This is the story of my last trip and I am writing it in my diary. I forgot some words. Could you please help me to remember them?

your, it was very useful when we needed to cut some vegetables.	
As I have told you, six people of our class went for that hike, including our history He was supposed to be responsible for us as the students of the school, but it seemed like he is a child, and we are adults!	*
So, at first everything went well. We arrived at the bus stop where the path starts. It's at the edge of a/an, so it was very comfortable to walk in the shade of trees.	*
I walked next to this guy Alex, the one who wants to become a/an He's really crazy about machines, he was telling me about differences between car engines for half an hour.	*
He also told me that his older brother works as a/an Honestly, I think that melting and jointing metal is much cooler than drawing blueprints and making calculations.	*
This guy even offered to carry my, but I told him that my back is strong enough. Finally I could escape from his company.	*
	your, it was very useful when we needed to cut some vegetables.  As I have told you, six people of our class went for that hike, including our history He was supposed to be responsible for us as the students of the school, but it seemed like he is a child, and we are adults!  So, at first everything went well. We arrived at the bus stop where the path starts. It's at the edge of a/an, so it was very comfortable to walk in the shade of trees.  I walked next to this guy Alex, the one who wants to become a/an He's really crazy about machines, he was telling me about differences between car engines for half an hour.  He also told me that his older brother works as a/an Honestly, I think that melting and jointing metal is much cooler than drawing blueprints and making calculations.  This guy even offered to carry my, but I told him that my back is strong enough. Finally I

9.	It was a very nice walk for a few hours, the path was running past some huge trees and rocks. Some parts were flat lands. But some were also these short hills which are called, it was funny how the boys were jumping on them to decide who stands higher.	r
10.	The night suddenly came, even though it was still early. I looked up and I could see that the are dark and heavy in the sky as if it was going to rain.	k
11.	It became colder and the wind blew. We were walking further then out of nothing a whole *started! The ice drops were poured on us, and I put on the hood of my jacket so that the ice would not go to my shirt.	t
12.	We started running to find a safe place. If we wanted to wait until the weather got better, there wasn't even enough space between the trees to put up a/an	t
13.	Suddenly we could see some clearance behind the trees. We rushed there and saw a huge  It was full of beautiful white flowers, now all beaten by ice.	٢
14.	We stopped to stay under the trees, but Mr. Robert went to look around. Then he looked at us with a shocked face and called us to come. And can you imagine? There in the grass lies a broken airplane! Apparently it crashed, we could see randomly lying around. I even noticed a small piece under my feet.	t
15.	Of course we all got scared, what if the who controlled the airplane died and we will find a skeleton?!	t

16.	We asked Mr. Robert's what we should do, and he just mumbled something. He took out his to look at the direction, but we could see that its glass was broken and the arrow was lost. And it was our only one!	*
17.	The weather didn't get any better and we still needed to find a safe place. We thought that the airplane's is a good shelter. That part of the airplane is designed to comfort passengers so it should be safe and strong.	*
18.	After settling inside we realised that it looked like someone has been camping inside this airplane for quite a long time! We could see some camping equipment and thankfully, some! At least we could somehow make a fire with them - we had matches.	*
19.	We all got to work, and I took out a/an to hang the wet clothes on it. *	
20.	We all got dry and made some tea. Then I poured the rest from the pot into a flask with a/an	*
21.	Then we talked for several hours, and it was so much fun! I got so scared when it all started, but it turned out to be such a cool adventure. Although Mr. Robert was scared that we got lost and we will not find our way. But Maria said that we can start our own government here in this Lost Republic, and she will become our to talk to other governments.	*

Soon after that we arranged our beds on the floor and went to sleep. The next morning before leaving, Alex took a piece of wood and made a sign with a marker he had, which said 'Lost Republic'. He hammered it down in the ground with a/an							
He also found a/an in the cockpit of the airplane which was disattached from the dashboard, and he rushed to climb a tree to measure how high it was. You know, even though he is a strange guy, he turned out to be quite fun!	*						
After getting back to us, he said he could clearly see the way. We went in the direction he told us, and soon we found ourselves at the edge of a/an (which is a natural wall. Like a mountain but just going up suddenly), with a wide valley under us.	*						
The way back was nice and there was no storm like yesterday. It was already getting dark by the time we reached the road and found a bus stop. At the central station we said goodbye to each other, I carefully crossed the and took the bus home.	*						
As soon as I entered the house, my mom rushed at me and started yelling saying how worried she was. She said I never keep my because I said I would call her on the trip, and she thought we got lost.	*						
It was very funny to tell her our story and see the emotions on her face, not believing me. Finally, she said that instead of Mr. Robert we should have taken a/an who would be able to predict the weather and tell us to go home before the storm. I said next time I'll take her!	*						
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Google Forms

# CG21 - Qualitative Assessment

* Re	equired		
1.	Participant Co	ode *	
	Robot's Age	Here I just need your feeling. Do comes to your mind.	n't think too much, just put what
2.	What was the This is not nec	name of the robot? essary.	
3.	personality?	s the age of your robot teamma an, how old it was?	te, How old was the robot's *
4.	What was the  Mark only one  Boy Girl Somethi		

The robot was: *						
Mark only one oval.						
younger than me	e					
Around my age						
A bit older than i	me					
My parents age						
My grandparents	s age					
I felt that the robot w	as *					
Mark only one oval.						
Like my other cla	assmat	te				
Like a new perso	on					
Like my mobile p	ohone					
Like my teacher						
Like my parents						
I thought the robot w	as ver	y kind a	and nic	e. *		
Mark only one oval.						
	0	1	2	3	4	
Completely Disagree						Completely Agree
I could trust the robo	† *					
Mark only one oval.						
	0	1	2	3	4	
Completely Disagree						Completely Agree

		0	1	2	3	4					
	Completely Disagree						Comple	tely Agı	ree		
).	How often did the r	obot ma	ake mis	stakes?	) <b>*</b>						
	Mark only one oval.										
	0 1	2	3	4	5	6	7	8	9	10	
	Never										Δ
l.	The robot was stup  Mark only one oval.  Completely Disagree	0	1	2	3	4	Compl	etely A	gree		
	Experience					Grea	t job. No	ow for t	he last p	oart.	
2.	Did THE ROBOT un	derstan	d you?	*							
	Mark only one oval.										
		1	2	3	4	5					
	Completely Disagree						Fully A	aroo			

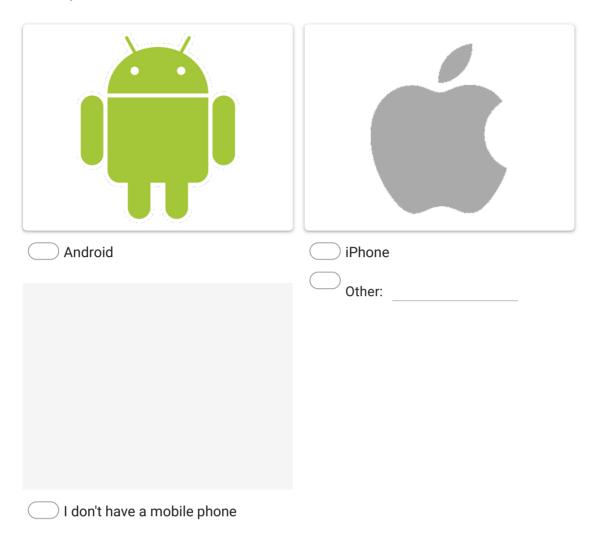
The robot was knowledgable. \*

	1 2 3 4 5
	Completely Disagree Fully Agree
ļ	How was your experience today? *
	Mark only one oval.
	1 2 3 4 5
	Annoying So much Fun
Ī	Based on your experience today, how much do you want to play a game or
	, , , , , , , , , , , , , , , , , , ,
Ì	interact with this social robot later?
	interact with this social robot later?  Mark only one oval.
	interact with this social robot later?  Mark only one oval.  1 2 3 4 5
	interact with this social robot later?  Mark only one oval.
	interact with this social robot later?  Mark only one oval.  1 2 3 4 5
	interact with this social robot later?  Mark only one oval.  1 2 3 4 5
	interact with this social robot later?  Mark only one oval.  1 2 3 4 5
	interact with this social robot later?  Mark only one oval.  1 2 3 4 5  I do not want at all
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	Interact with this social robot later?  Mark only one oval.  1 2 3 4 5  I do not want at all
	Interact with this social robot later?  Mark only one oval.  1 2 3 4 5  I do not want at all

13. Did YOU understand what robot said? \*

## 17. What mobile phone do you use? \*

Mark only one oval.



18. Which of these devices do you have at home?

Check all that apply.

Tablet / iPad
Virtual Reality (VR) or Augmented Reality (AR) Glasses
Smart TV
Laptop
Computers
Smart Speaker (Google Nest, Alexa, Apple Home)
Other:

19.	Any more comments or feedback?
	If you would like to give us additional feedback or comments, please feel free to write them down.

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