

# Online Experiment: Welcome to the Memory Recalling task!

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If you are not using Google Chrome, please reopen the link in Chrome.

Your voice will be recorded in this task. When prompted, please give the browser permission to record. Please ensure you are in a quiet environment and speak clearly.

Click "Next" to see the instructions on the next page.

## The Overall Goal

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In this study, we will test your ability to recall words based on different prompts.

On each trial, you will see a word or phrase prompt indicating a category.

As soon as you see the category prompt, you should immediately begin naming words belonging to the category.

You will be scored on each category based on the number of words you recall. What's more, you have the flexibility to decide how long to spend on each category.

The entire task will take a total of **45 minutes**.

**Your goal is to name as many words as possible within the 45-minute time frame.**

## Scoring and how to move to a next category

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If you feel confident about doing better in a new category, you can choose to move on. But keep in mind that there will be a time penalty when you switch to a new category.

You will earn a point for each unique item you recall for each category; repetitions will not be counted. Your score will be displayed in real-time on the screen.

To move on to a new category, press the “**Enter**” key.

**Remember, your goal is to maximize your score in the 45 minutes.**

## Example Screenshot of the Main Recalling Test

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Below is a screenshot of the main test. This example is provided to help you better understand the test structure.

1. The **category** and your **score** for that category will appear in the center.
2. Your **total score** and **the remaining time** will be shown in the top right corner.
3. A prompt at the bottom will instruct you to press the “**Enter**” key when you are ready to move to the next category.

## Earnings Summary

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Your participation fee will be determined by your performance. After you choose to move on to a new category, you will briefly see an update showing your total earnings.

Below is an example screenshot of the earnings summary screen.

## The Time Delay

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After the earnings summary, you will face a "Time Delay" before you can begin recalling words again.

During this delay, you will not have the opportunity to add to your score by recalling words.

Please refrain from using your phone, engaging in other activities, or

speaking with the experimenter. If you have any concerns, you may ask the experimenter for assistance at any time.

Once the delay has passed, a new category will appear, and you will resume recalling words.

## Pay attention to the Shape during the Time Delay

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During the delay, a cross will appear on the screen.

After a certain period, **in a few randomly selected trials**, the cross will randomly change into a shape for a brief duration.

The shape could be a "circle", "triangle", or "square".

Below is an example of the square shape.

## Answer the question and receive feedback

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Pay close attention to the shape because, after it disappears, you will occasionally be asked what shape you just see.

**Press the "Z" key if it is a triangle; "V" key if it is a circle; or "M" key if it is a square on your keyboard. Respond as quickly as possible.**

You will see your total score in the center. If you answer correctly, you will receive a "correct" feedback below the total score and no points will be lost.

Conversely, if you answer incorrectly, you will lose points and receive a "wrong" feedback below the score. The number of points lost will be shown next to the score, allowing you to see the total score decreases.

**This check ensures that you stay focused during the time delay, so it won't appear in every trial. Please note that the main goal of the test is to achieve the highest total score within 45 minutes.**

## Words examples

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As an example, the category might be "TREES", and in response, you may say "Oak", "Pine", "Willow", "Cedar" and so on.

You can repeat words between categories.

For example, you might have said "Apple" in response to the category "TREES" and then say that word again in response to the category "TYPES OF PIE".